

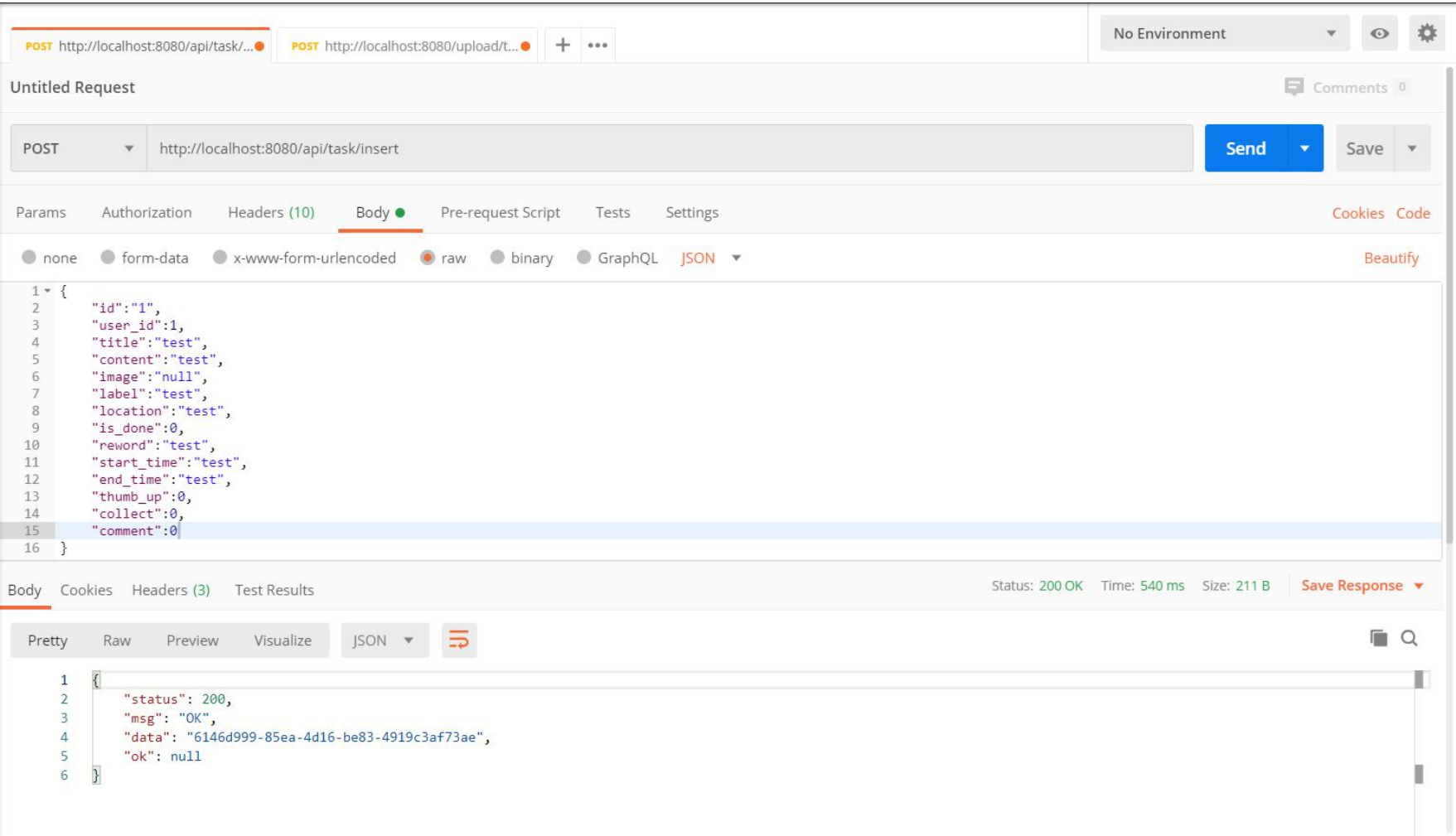
后端测试文档

2020 年 05 月 07 日

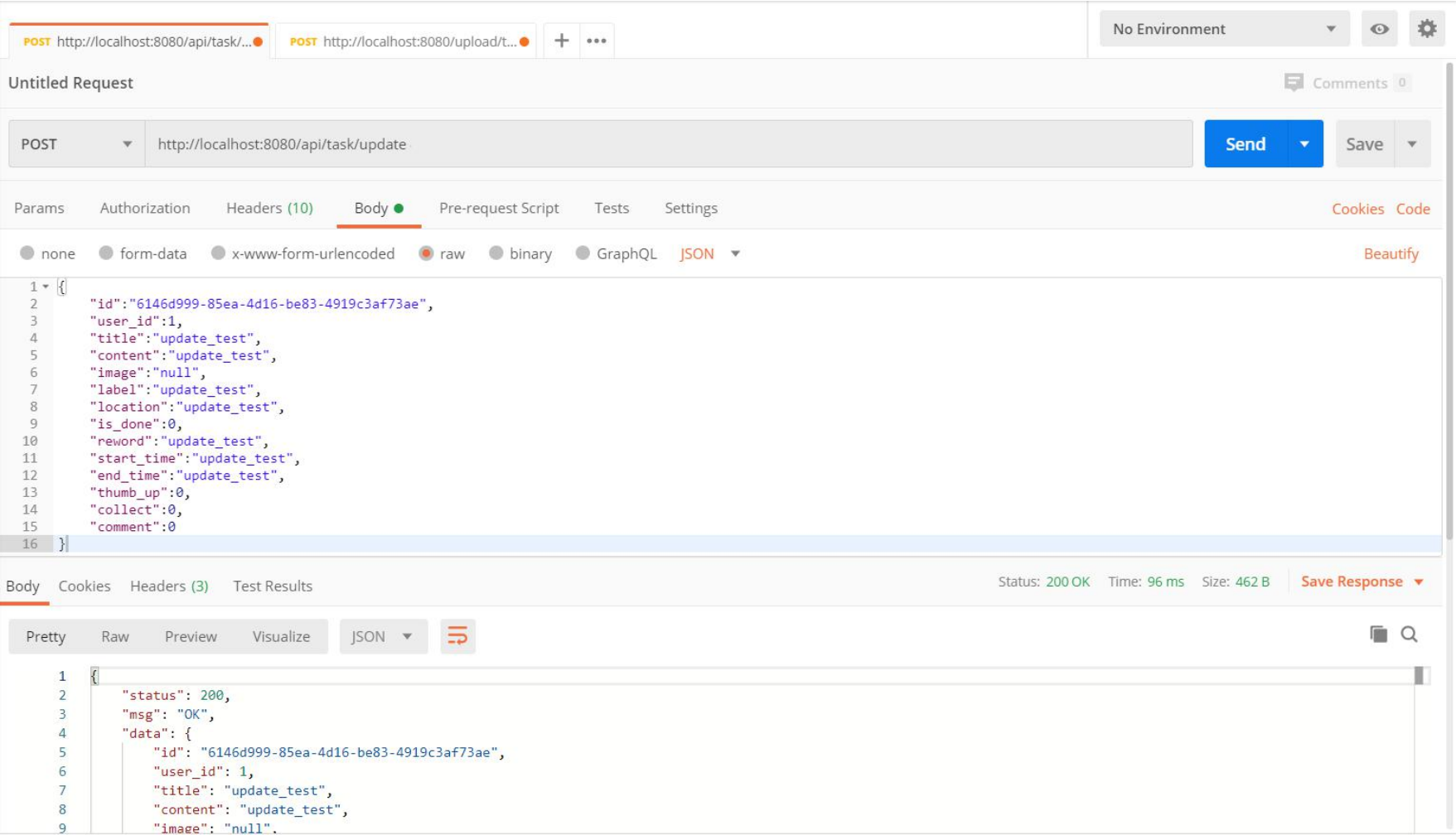
一、任务模块、评论模块测试——221701412 陈浩男

1. 任务模块

任务插入



任务更新



任务删除

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

+ ...

No Environment

Untitled Request

Comments 0

POST

http://localhost:8080/api/task/delete?id=1

Send

Save

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	1			
	Key	Value	Description		

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 59 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"status": 200,

3

"msg": "succeed",

4

"data": null,

5

"ok": null

6

}

任务更新解决状态

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

+ ...

No Environment

Untitled Request

Comments 0

POST

http://localhost:8080/api/task/update/is_done?id=6146d999-85ea-4d16-be83-4919c3af73ae&is_done=1

Send

Save

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	6146d999-85ea-4d16-be83-4919c3af73ae			
<input checked="" type="checkbox"/>	is_done	1			
	Key	Value	Description		

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 674 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"status": 200,

3

"msg": "succeed",

4

"data": null,

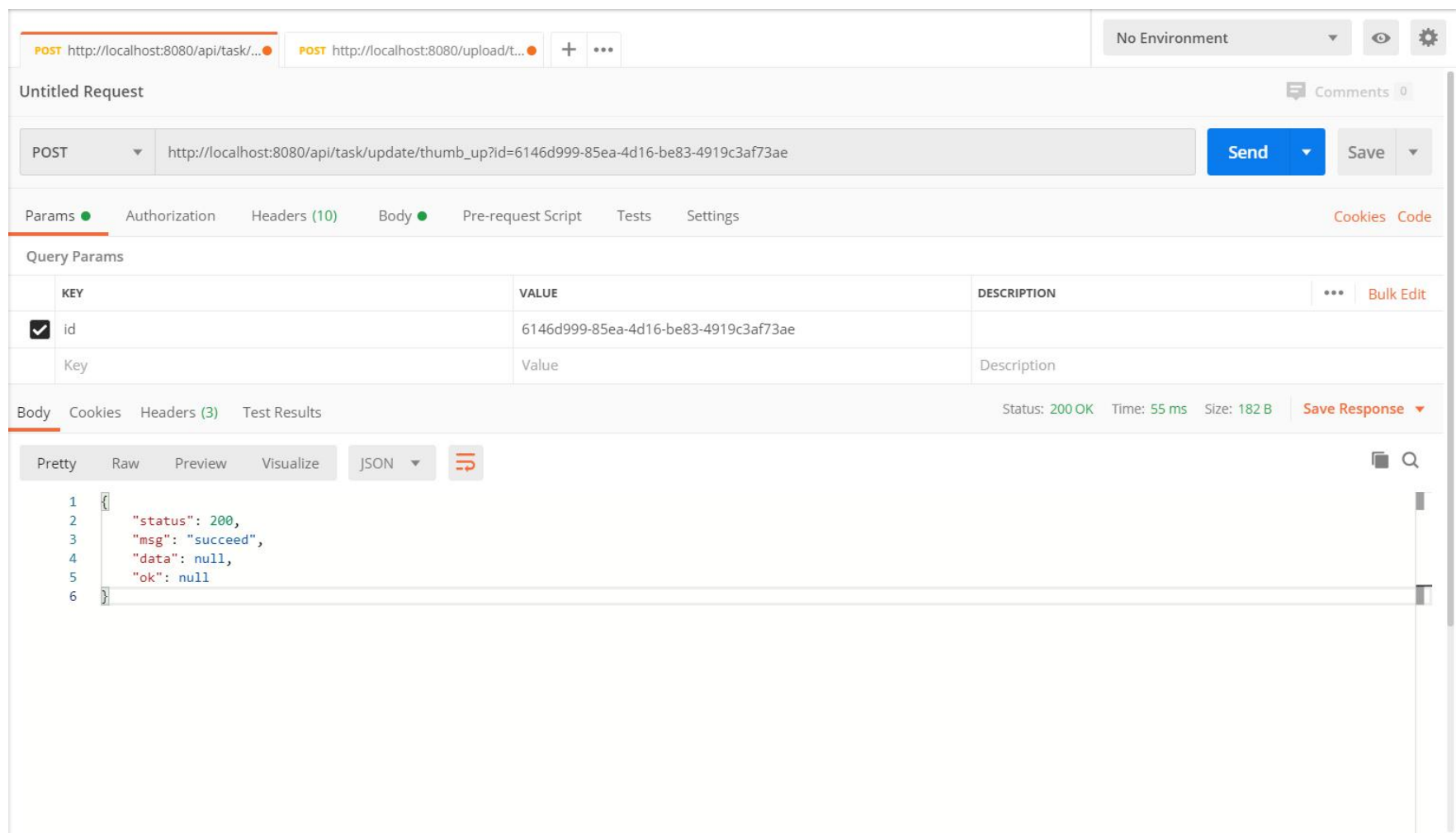
5

"ok": null

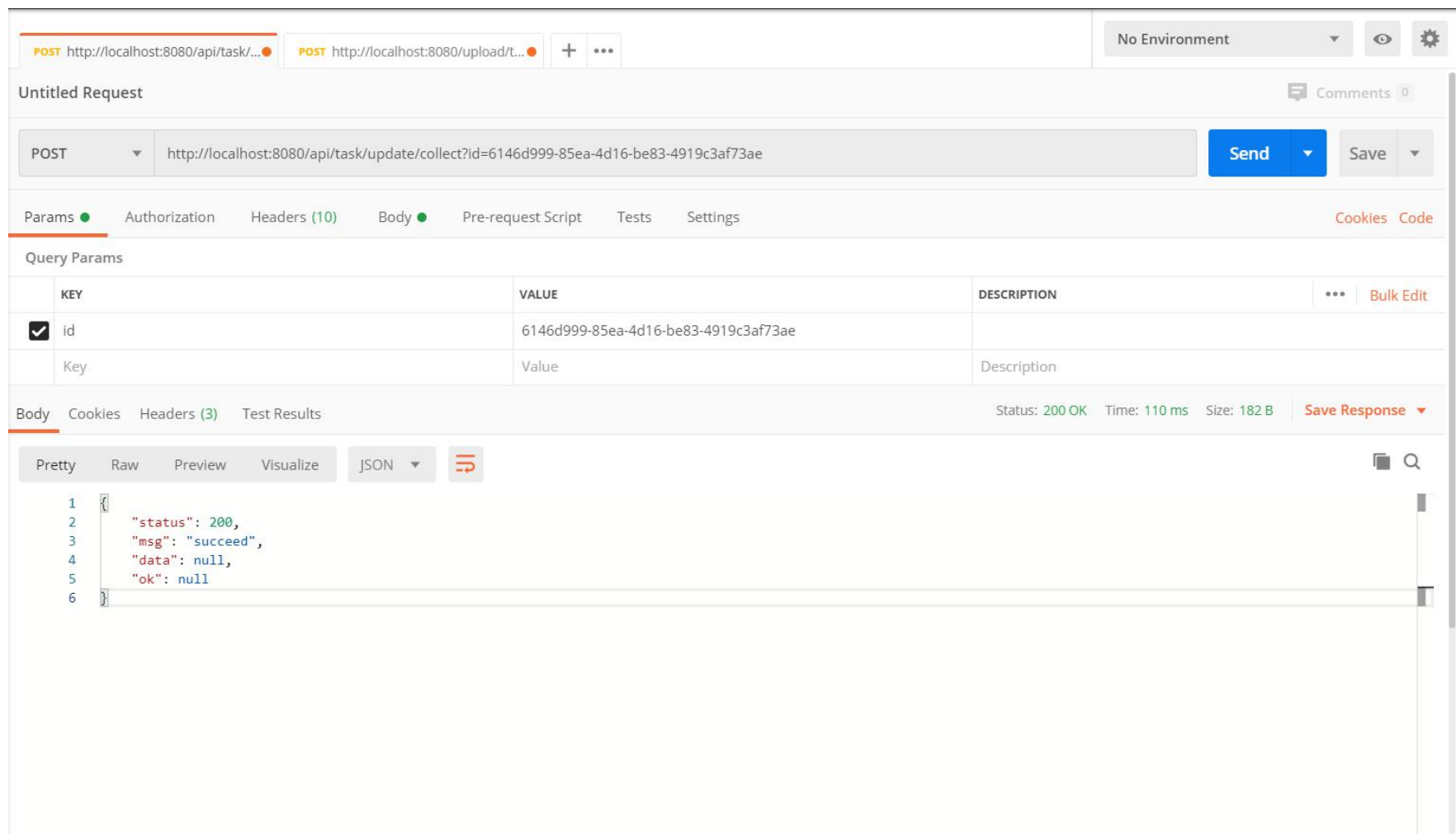
6

}

任务点赞+1



任务收藏+1



任务评论+1

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

+

...

No Environment

Untitled Request

Comments 0

POST

http://localhost:8080/api/task/update/comment?id=6146d999-85ea-4d16-be83-4919c3af73ae

Send

Save

ParamsAuthorizationHeaders (10)BodyPre-request ScriptTestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	6146d999-85ea-4d16-be83-4919c3af73ae			
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 49 msSize: 182 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

查询全部任务

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

GET http://localhost:8080/api/task/q...

+

...

No Environment

Untitled Request

Comments 0

GET

http://localhost:8080/api/task/query/all

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 55 msSize: 965 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",
7       "user_id": 1,
8       "title": "test2",
9       "content": "test2",
10      "image": "null",
11      "label": "test2",
12      "location": "test2",
13      "is_done": 0,
14      "reword": "test2",
15      "start_time": "test2",
16      "end_time": "test2",
17      "thumb_up": 0,
18      "collect": 0,
19      "comment": 0
20    },
21  ],
22 }
```

Id 查询任务

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

GET http://localhost:8080/api/query...

+

...

No Environment

Untitled Request

Comments 0

GET

http://localhost:8080/api/query/task/id/04cc5c44-2c3e-488b-9947-1b1db08e81c1

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 19 msSize: 425 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": {
5     "id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",
6     "user_id": 1,
7     "title": "test2",
8     "content": "test2",
9     "image": "null",
10    "label": "test2",
11    "location": "test2",
12    "is_done": 0,
13    "reword": "test2",
14    "start_time": "test2",
15    "end_time": "test2",
16    "thumb_up": 0,
17    "collect": 0,
18    "comment": 0
19  },
20  "ok": null
}
```

任务 user_id 查询

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

GET http://localhost:8080/api/task/q...

+

...

No Environment

Untitled Request

Comments 0

GET

http://localhost:8080/api/task/query/user_id/1

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 606 msSize: 965 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",
7       "user_id": 1,
8       "title": "test2",
9       "content": "test2",
10      "image": "null",
11      "label": "test2",
12      "location": "test2",
13      "is_done": 0,
14      "reword": "test2",
15      "start_time": "test2",
16      "end_time": "test2",
17      "thumb_up": 0,
18      "collect": 0,
19      "comment": 0
20    },
21  ],
22  "ok": null
}
```

任务模糊查询

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

GET http://localhost:8080/api/task/q...

+

...

No Environment

Comments 0

Untitled Request

GET

http://localhost:8080/api/task/query/like/title/1

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 19 msSize: 427 BSave Response

PrettyRawPreviewVisualizeJSON

1{

2"status": 200,

3"msg": "succeed",

4"data": [

5{

6" id": "10c6512b-6681-4b7a-a038-bb8367ea80f4",

7" user_id": 1,

8" title": "test1",

9" content": "test1",

10" image": "null",

11" label": "test1",

12" location": "test1",

13" is_done": 0,

14" reword": "test1",

15" start_time": "test1",

16" end_time": "test1",

17" thumb_up": 0,

18" collect": 0,

19" comment": 0

20}

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

GET http://localhost:8080/api/task/q...

+

...

No Environment

Comments 0

Untitled Request

GET

http://localhost:8080/api/task/query/like/content/1

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 17 msSize: 427 BSave Response

PrettyRawPreviewVisualizeJSON

1{

2"status": 200,

3"msg": "succeed",

4"data": [

5{

6" id": "10c6512b-6681-4b7a-a038-bb8367ea80f4",

7" user_id": 1,

8" title": "test1",

9" content": "test1",

10" image": "null",

11" label": "test1",

12" location": "test1",

13" is_done": 0,

14" reword": "test1",

15" start_time": "test1",

16" end_time": "test1",

17" thumb_up": 0,

18" collect": 0,

19" comment": 0

20}

POST http://localhost:8080/api/task/...

POST http://localhost:8080/upload/t...

GET http://localhost:8080/api/task/q...

+ ...

No Environment

Untitled Request

Comments 0

GEThttp://localhost:8080/api/task/query/like/label/1

SendSave

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettingsCookiesCode

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 17 msSize: 427 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id": "10c6512b-6681-4b7a-a038-bb8367ea80f4",
7       "user_id": 1,
8       "title": "test1",
9       "content": "test1",
10      "image": "null",
11      "label": "test1",
12      "location": "test1",
13      "is_done": 0,
14      "reword": "test1",
15      "start_time": "test1",
16      "end_time": "test1",
17      "thumb_up": 0,
18      "collect": 0,
19      "comment": 0
20    }
21  ]
22 }
```

Bootcamp

2. 评论模块

评论插入

POST http://l...

POST http://...

GET http://lo...

POST http://l...

GET http://4...

GET Untitle...

GET http://4...

GET http://4...

+ ...

No Environment

Untitled Request

Comments 0

POSThttp://localhost:8080/api/task/comment/insert

SendSave

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookiesCode

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

Beautify

1 {
2 "id": "1",
3 "user_id": 1,
4 "content": "test",
5 "publish_time": "test",
6 "table_id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",
7 "thumb_up": 0,
8 "comment": 0
9 }

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 100 msSize: 182 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

Bootcamp

评论删除

POST http://localhost:8080/api/task/comment/delete?id=1

SendSave

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	1			
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 111 msSize: 182 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

评论更新内容

POST http://localhost:8080/api/task/comment/update/content?id=1&content=content_update

SendSave

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	1			
<input checked="" type="checkbox"/>	content	content_update			
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 103 msSize: 182 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

评论点赞+1

POST http://localhost:8080/api/task/comment/update/thumb_up?id=1

SendSave

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookiesCode

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id	1	
Key	Value	Description

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 82 msSize: 182 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

评论子评论+1

POST http://localhost:8080/api/task/comment/update/comment?id=1

SendSave

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookiesCode

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id	1	
Key	Value	Description

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 82 msSize: 182 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

查询全部评论

POST http://l...

POST http://l...

GET http://lo...

GET Untitle...

GET http://4...

GET Untitle...

GET http://4...

GET http://4...

+

...

No Environment

Untitled Request

Comments 0

GET

http://localhost:8080/api/task/comment/query/all

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 22 msSize: 316 B

Save Response

PrettyRawPreviewVisualize

JSON

1{
2 "status": 200,
3 "msg": "succeed",
4 "data": [
5 {
6 "id": "1",
7 "user_id": 1,
8 "content": "test",
9 "publish_time": "test",
10 "table_id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",
11 "thumb_up": 0,
12 "comment": 0
13 }
14],
15 "ok": null
16 }

Id 查询评论

POST http://l...

POST http://l...

GET http://lo...

GET Untitle...

GET http://4...

GET Untitle...

GET http://4...

GET http://4...

+

...

No Environment

Untitled Request

Comments 0

GET

http://localhost:8080/api/query/task/comment/id/1

Send

Save

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

CookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 20 msSize: 314 B

Save Response

PrettyRawPreviewVisualize

JSON

1{
2 "status": 200,
3 "msg": "succeed",
4 "data": {
5 "id": "1",
6 "user_id": 1,
7 "content": "test",
8 "publish_time": "test",
9 "table_id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",
10 "thumb_up": 0,
11 "comment": 0
12 },
13 "ok": null
14 }

Table_id 查询评论

POST http://lo...

POST http://lo...

GET http://lo...

POST http://lo...

GET http://4...

GET Untitle...

GET http://4...

GET http://4...

+

...

No Environment

👁️

⚙️

Untitled Request

Comments 0

GET

⌵

http://localhost:8080/api/query/task/comment/table_id/04cc5c44-2c3e-488b-9947-1b1db08e81c1

Send

⌵

Save

⌵

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 17 msSize: 316 BSave Response ⌵

PrettyRawPreviewVisualizeJSON⌵

📄🔍

1{

2 "status": 200,

3 "msg": "succeed",

4 "data": [

5 {

6 "id": "1",

7 "user_id": 1,

8 "content": "test",

9 "publish_time": "test",

10 "table_id": "04cc5c44-2c3e-488b-9947-1b1db08e81c1",

11 "thumb_up": 0,

12 "comment": 0

13 }

14],

15 "ok": null

16 }

二、用户、管理员测试——221701429 黄晓东

1. 用户模块

用户注册

Untitled Request

Comments 0

POST

⌵

localhost:8080/api/user/register

Send

⌵

Save

⌵

ParamsAuthorizationHeaders (9)Body●Pre-request ScriptTestsSettingsCookiesCode

● none● form-data● x-www-form-urlencoded● raw● binary● GraphQLJSON⌵Beautify

1{

2 "accountNumber" : "221701429",

3 "password" : "221701429",

4 "sex":0,

5 "name":"黄晓东",

6 "phoneNumber":"13225940608",

7 "head": "",

8 "address":"福州大学生活三区",

9 "info": ""

10 }

BodyCookiesHeaders (3)Test Results

Status: 200 OKTime: 18 msSize: 179 BSave Response ⌵

PrettyRawPreviewVisualizeJSON⌵

📄🔍

1{

2 "status": 500,

3 "msg": "fail",

4 "data": null,

5 "ok": null

6 }

用户登录

Untitled Request

Comments 0

POST

localhost:8080/api/user/update/password?accountNumber=221701429&password=221701429&newPassword=123456

Send

Save

Params

Authorization

Headers 9

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	accountNumber	221701429			
<input checked="" type="checkbox"/>	password	221701429			
<input checked="" type="checkbox"/>	newPassword	123456			
	Key	Value	Description		

Body

Cookies

Headers 3

Test Results

Status: 200 OK

Time: 375 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

{

"status": 200,

"msg": "succeed",

"data": null,

"ok": null

}

删除用户

Untitled Request

Comments 0

POST

localhost:8080/api/user/delete?accountNumber=221701429

Send

Save

Params

Authorization

Headers 9

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	accountNumber	221701429			
	Key	Value	Description		

Body

Cookies

Headers 3

Test Results

Status: 200 OK

Time: 403 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

{

"status": 200,

"msg": "succeed",

"data": null,

"ok": null

}

更新用户信息

Untitled Request

Comments 0

POST

localhost:8080/api/user/update

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

{

2

"accountNumber" : "221701429",

3

"password" : "221701429",

4

"sex":0,

5

"name":"黄晓东",

6

"phoneNumber":"13225940608",

7

"head": "",

8

"address": "福州大学生活三区",

9

"info": ""

10

}

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 386 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"status": 200,

3

"msg": "succeed",

4

"data": null,

5

"ok": null

6

}

查询全部用户

Untitled Request

Comments 0

GET

localhost:8080/api/user/query/all

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 20 ms

Size: 745 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"status": 200,

3

"msg": "succeed",

4

"data": [

5

{

6

"id": 16,

7

"accountNumber": "221701429",

8

"password": "362CE29FF3A542295981D93DF7772633",

9

"sex": 0,

10

"name": "黄晓东",

11

"phoneNumber": "13225940608",

12

"head": "",

13

"address": "福州大学生活三区",

14

"info": ""

15

},

16

{

17

"id": 17,

18

"accountNumber": "221701412",

19

"password": "55B3536196019BEAC1ABC605E353B977",

20

"sex": 0,

账号查询用户

Untitled Request

Comments 0

GET

localhost:8080/api/user/query/accountNumber/221701429

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 19 ms

Size: 373 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": {
5     "id": 16,
6     "accountNumber": "221701429",
7     "password": "362CE29FF3A542295981D93DF7772633",
8     "sex": 0,
9     "name": "黄晓东",
10    "phoneNumber": "13225940608",
11    "head": "",
12    "address": "福州大学生活三区",
13    "info": ""
14  },
15  "ok": null
16 }
```

2. 管理员模块

管理员注册

Untitled Request

Comments 0

POST

localhost:8080/api/admin/register

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1 {

2 "accountNumber": "221701429",

3 "password": "221701429",

4 "authority": 1

5 }

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 497 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

管理员登录

Untitled Request

Comments 0

POST

localhost:8080/api/admin/update/password?accountNumber=221701429&password=123456&newPassword=123456

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	accountNumber	221701429			
<input checked="" type="checkbox"/>	password	123456			
<input checked="" type="checkbox"/>	newPassword	123456			
	Key	Value	Description		

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 28 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"status": 200,

3

"msg": "succeed",

4

"data": null,

5

"ok": null

6

}

更新管理员信息

Untitled Request

Comments 0

POST

localhost:8080/api/admin/update/

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

{

2

"accountNumber": "221701429",

3

"password": "221701429",

4

"authority": 2

5

}

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 412 ms

Size: 182 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"status": 200,

3

"msg": "succeed",

4

"data": null,

5

"ok": null

6

}

删除管理员

Untitled Request

Comments 0

GET

localhost:8080/api/admin/query/accountNumber/221701429

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (3)

Test Results

Status: 200 OK

Time: 26 ms

Size: 274 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": {
5     "id": 6,
6     "accountNumber": "221701429",
7     "password": "362CE29FF3A542295981D93DF7772633",
8     "authority": 2
9   },
10  "ok": null
11 }
```

三、失物招领、物品租赁模块测试——2217014132 郑斯彬

1. 失物招领模块

失物插入

POST

localhost:8080/api/lost_and_found/insert

Send

Save

Params

Auth

Headers (9)

Body

Pre-req.

Tests

Settings

Cookies

Code

raw

JSON

Beautify

```
1 {
2   "userId":1,
3   "title":"阿萨德浓氨水你都塞纳的离开",
4   "content":"打算看你的克兰斯柯达纳克里斯你打开",
5   "image": "...",
6   "label":"阿萨德马上货",
7   "location":"阿萨德马克塑料袋",
8   "isLost":0
9 }
10
```

Status: 200 OK

Time: 29 ms

Size: 216 B

Save Response

Body

Cookies

Headers (3)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": "b4d112eb-2e98-493a-8efc-1e78e9c33310",
5   "ok": null
6 }
```

失物删除

POSTlocalhost:8080/api/lost_and_found/delete

SendSave

ParamsAuthHeaders (9)BodyPre-req.TestsSettingsCookiesCode

Status: 200 OKTime: 992 msSize: 182 BSave Response

rawJSONBeautify

1 {
2 "id": "0c86bb46-e6d7-4132-b097-9e9bea80eaff"
3 }
4

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

1 {
2 "status": 200,
3 "msg": "succeed",
4 "data": null,
5 "ok": null
6 }

Bootcamp

BuildBrowse

失物更新解决状态

GETlocalhost:8080/api/lost_and_found/update/isDone?id=b4d112eb-2e98-493a-8efc-1e78e9c33310

SendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Status: 200 OKTime: 54 msSize: 182 BSave Response

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	b4d112eb...			
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

1 {
2 "status": 200,
3 "msg": "succeed",
4 "data": null,
5 "ok": null
6 }

失物点赞+1

GETlocalhost:8080/api/lost_and_found/update/thumbUp?id=b4d112eb-2e98-493a-8efc-1e78e9c33310

SendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	b4d112eb...			
	Key	Value	Description		

Status: 200 OKTime: 37 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

失物收藏+1

GETlocalhost:8080/api/lost_and_found/update/collect?id=b4d112eb-2e98-493a-8efc-1e78e9c33310

SendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	b4d112eb...			
	Key	Value	Description		

Status: 200 OKTime: 16 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

失物评论+1

GETlocalhost:8080/api/lost_and_found/update/comment?id=b4d112eb-2e98-493a-8efc-1e78e9c33310

SendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	b4d112eb...			
	Key	Value	Description		

Status: 200 OKTime: 28 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

查询全部失物

GETlocalhost:8080/api/lost_and_found/query/all

SendSave

ParamsAuthHeaders (10)Body ●Pre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Status: 200 OKTime: 70 msSize: 1.3 KB

Save Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "2f50029a-8335-4a19-b971-f37c0aa07c34",
8       "userId": 1,
9       "title": "asd",
10      "content": "asd",
11      "image": "asd",
12      "label": "asd",
13      "location": "asd",
14      "isDone": 0,
15      "time": "asd",
16      "isLost": 0,
17      "thumbUp": 0,
18      "collect": 0,
19      "comment": 0
20    },
21    {
22      "id":
23        "4ef06c26-2ab6-4b4c-01bc-f311205c6032",
24      "userId": 1,
25      "title": "asd",
26      "content": "asd",
27      "image": "asd",
28      "label": "asd",
29      "location": "asd",
30      "isDone": 0,
31      "time": "asd",
32      "isLost": 0,
33      "thumbUp": 0,
34      "collect": 0,
35      "comment": 0
36    }
37  ]
38 }
```

BootcampBuildBrowse

Id 查询失物

GETlocalhost:8080/api/lost_and_found/query/id?id=b4d112eb-2e98-493a-8efc-1e78e9c33310

SendSave

Params ●AuthHeaders (10)Body ●Pre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	b4d112eb...			
	Key	Value	Description		

Status: 200 OKTime: 51 msSize: 516 B

Save Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": {
5     "id":
6       "b4d112eb-2e98-493a-8efc-1e78e9c33310",
7     "userId": 1,
8     "title": "阿萨德浓氨水你都塞纳的离开",
9     "content": "打算看你的克兰斯柯达纳克里斯你打开",
10    "image": "...",
11    "label": "阿萨德马上贷",
12    "location": "阿萨德马克塑料袋",
13    "isDone": 1,
14    "time": "2020-05-03 23:59:14",
15    "isLost": 0,
16    "thumbUp": 1,
17    "collect": 1,
18    "comment": 1
19  },
20   "ok": null
21 }
```

User_id 查询失物

GETlocalhost:8080/api/lost_and_found/query/userId?userId=1

SendSave

ParamsAuthHeaders (10)Body ●Pre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	userId	1 ...			
	Key	Value	Description		

Status: 200 OKTime: 69 msSize: 1.3 KB

Save Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "2f50029a-8335-4a19-b971-f37c0aa07c
8         34",
9       "userId": 1,
10      "title": "asd",
11      "content": "asd",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 0,
16      "time": "asd",
17      "isLost": 0,
18      "thumbUp": 0,
19      "collect": 0,
20      "comment": 0
21    },
22    {
23      "id":
```

模糊查询失物

GETlocalhost:8080/api/lost_and_found/query/like/title?text=s

SendSave

ParamsAuthHeaders (10)Body ●Pre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	text	s ...			
	Key	Value	Description		

Status: 200 OKTime: 45 msSize: 997 B

Save Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "2f50029a-8335-4a19-b971-f37c0aa07c
8         34",
9       "userId": 1,
10      "title": "asd",
11      "content": "asd",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 0,
16      "time": "asd",
17      "isLost": 0,
18      "thumbUp": 0,
19      "collect": 0,
20      "comment": 0
21    },
22    {
23      "id":
```

GETlocalhost:8080/api/lost_and_found/query/like/content?text=s

SendSave

ParamsAuthHeaders (10)Body●Pre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	text	s...			
	Key	Value	Description		

Status: 200 OKTime: 36 msSize: 587 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "2f50029a-8335-4a19-b971-f37c0aa07c34",
8       "userId": 1,
9       "title": "asd",
10      "content": "asd",
11      "image": "asd",
12      "label": "asd",
13      "location": "asd",
14      "isDone": 0,
15      "time": "asd",
16      "isLost": 0,
17      "thumbUp": 0,
18      "collect": 0,
19      "comment": 0
20    },
21    {
      "id":
```

BootcampBuildBrowse

GETlocalhost:8080/api/lost_and_found/query/like/label?text=a

SendSave

ParamsAuthHeaders (10)Body●Pre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	text	a...			
	Key	Value	Description		

Status: 200 OKTime: 22 msSize: 997 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "2f50029a-8335-4a19-b971-f37c0aa07c34",
8       "userId": 1,
9       "title": "asd",
10      "content": "asd",
11      "image": "asd",
12      "label": "asd",
13      "location": "asd",
14      "isDone": 0,
15      "time": "asd",
16      "isLost": 0,
17      "thumbUp": 0,
18      "collect": 0,
19      "comment": 0
20    },
21    {
      "id":
```

BootcampBuildBrowse

2. 物品租赁模块

插入物品

POSTlocalhost:8080/api/rental/insert

SendSave

ParamsAuthHeaders (9)BodyPre-req.TestsSettingsCookiesCode

Status: 200 OKTime: 63 msSize: 216 BSave Response

rawJSONBeautify

```
1 {
2   "userId":1,
3   "title":"test2",
4   "content":111,
5   "image":"asd",
6   "label":"asd",
7   "location":"asd",
8   "unitPrice":12.3,
9   "newDegree":90
10 }
11
```

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": "5aa20998-5c3c-4318-baca-2fa8acbbf49b",
5   "ok": null
6 }
```

BootcampBuildBrowse

删除物品

POSTlocalhost:8080/api/rental/delete

SendSave

ParamsAuthHeaders (9)BodyPre-req.TestsSettingsCookiesCode

Status: 200 OKTime: 28 msSize: 182 BSave Response

rawJSONBeautify

```
1 {
2   "id":"f6282d59-928a-41f0-a3b2-94c0abb0eeb4"
3 }
4
```

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

更新物品解决状态

GETlocalhost:8080/api/rental/update/isDone?id=5aa20998-5c3c-4318-baca-2fa8acbbf49bSendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	5aa20998-...			
	Key	Value	Description		

Status: 200 OKTime: 48 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

物品点赞+1

GETlocalhost:8080/api/rental/update/thumbUp?id=5aa20998-5c3c-4318-baca-2fa8acbbf49bSendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	5aa20998-...			
	Key	Value	Description		

Status: 200 OKTime: 28 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

物品收藏+1

GETlocalhost:8080/api/rental/update/collect?id=5aa20998-5c3c-4318-baca-2fa8acbbf49bSendSave

ParamsAuthHeaders (10)BodyPre-req.TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	5aa20998-...			
	Key	Value	Description		

Status: 200 OKTime: 16 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

物品评论+1

GETlocalhost:8080/api/rental/update/comment?id=5aa20998-5c3c-4318-baca-2fa8acbbf49bSendSave

ParamsAuthHeaders (10)BodyPre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	5aa20998-...			
	Key	Value	Description		

Status: 200 OKTime: 35 msSize: 182 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": null,
5   "ok": null
6 }
```

查询全部物品

GETlocalhost:8080/api/rental/query/allSendSave

ParamsAuthHeaders (10)BodyPre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Status: 200 OKTime: 22 msSize: 705 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "5aa20998-5c3c-4318-baca-2fa8acbbf49
8         b",
9       "userId": 1,
10      "title": "test2",
11      "content": "111",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 1,
16      "unitPrice": "12.3",
17      "startTime": "2020-05-04 00:16:26",
18      "endTime": "2020-05-04 00:17:07",
19      "newDegree": 90,
20      "thumbUp": 1,
21      "collect": 1,
22      "comment": 1
23     },
24     ...
25   ]
26 }
```

Id 查询物品

Untitled Request

Comments 0

GETlocalhost:8080/api/rental/query/id?id=5aa20998-5c3c-4318-baca-2fa8acbbf49b

SendSave

ParamsAuthHeaders (10)BodyPre-req. Tests SettingsCookiesCode

Status: 200 OKTime: 25 msSize: 458 BSave Response

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	5aa20998-...			
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": {
5     "id":
6       "5aa20998-5c3c-4318-baca-2fa8acbbf49b",
7     "userId": 1,
8     "title": "test2",
9     "content": "111",
10    "image": "asd",
11    "label": "asd",
12    "location": "asd",
13    "isDone": 1,
14    "unitPrice": "12.3",
15    "startTime": "2020-05-04 00:16:26",
16    "endTime": "2020-05-04 00:17:07",
17    "newDegree": 90,
18    "thumbUp": 1,
19    "collect": 1,
20    "comment": 1
21  },
22  "ok": null
}
```

User_id 查询物品

Untitled Request

Comments 0

GETlocalhost:8080/api/rental/query/userId?userId=1

SendSave

ParamsAuthHeaders (10)BodyPre-req. Tests SettingsCookiesCode

Status: 200 OKTime: 24 msSize: 705 BSave Response

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	userId	1 ...			
	Key	Value	Description		

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "5aa20998-5c3c-4318-baca-2fa8acbbf4
8         9b",
9       "userId": 1,
10      "title": "test2",
11      "content": "111",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 1,
16      "unitPrice": "12.3",
17      "startTime": "2020-05-04 00:16:26",
18      "endTime": "2020-05-04 00:17:07",
19      "newDegree": 90,
20      "thumbUp": 1,
21      "collect": 1,
22      "comment": 1
23    },
24  ],
25  "ok": null
}
```

模糊查询物品

GETlocalhost:8080/api/rental/query/like/title?text=t

SendSave

ParamsAuthHeaders (10)Body●Pre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	text	t...			
	Key	Value	Description		

Status: 200 OKTime: 21 msSize: 705 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "5aa20998-5c3c-4318-baca-2fa8acbbf4
8         9b",
9       "userId": 1,
10      "title": "test2",
11      "content": "111",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 1,
16      "unitPrice": "12.3",
17      "startTime": "2020-05-04 00:16:26",
18      "endTime": "2020-05-04 00:17:07",
19      "newDegree": 90,
20      "thumbUp": 1,
21      "collect": 1,
22      "comment": 1
23    }
24  ],
25 }
```

BootcampBuildBrowse

GETlocalhost:8080/api/rental/query/like/content?text=1

SendSave

ParamsAuthHeaders (10)Body●Pre-req. Tests SettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	text	1...			
	Key	Value	Description		

Status: 200 OKTime: 28 msSize: 705 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "5aa20998-5c3c-4318-baca-2fa8acbbf4
8         9b",
9       "userId": 1,
10      "title": "test2",
11      "content": "111",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 1,
16      "unitPrice": "12.3",
17      "startTime": "2020-05-04 00:16:26",
18      "endTime": "2020-05-04 00:17:07",
19      "newDegree": 90,
20      "thumbUp": 1,
21      "collect": 1,
22      "comment": 1
23    }
24  ],
25 }
```

BootcampBuildBrowse

GETlocalhost:8080/api/rental/query/like/label?text=a

SendSave

ParamsAuthHeaders (10)BodyPre-req. TestsSettingsCookiesCode

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	text	a ...			
	Key	Value	Description		

Status: 200 OKTime: 19 msSize: 705 BSave Response

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON

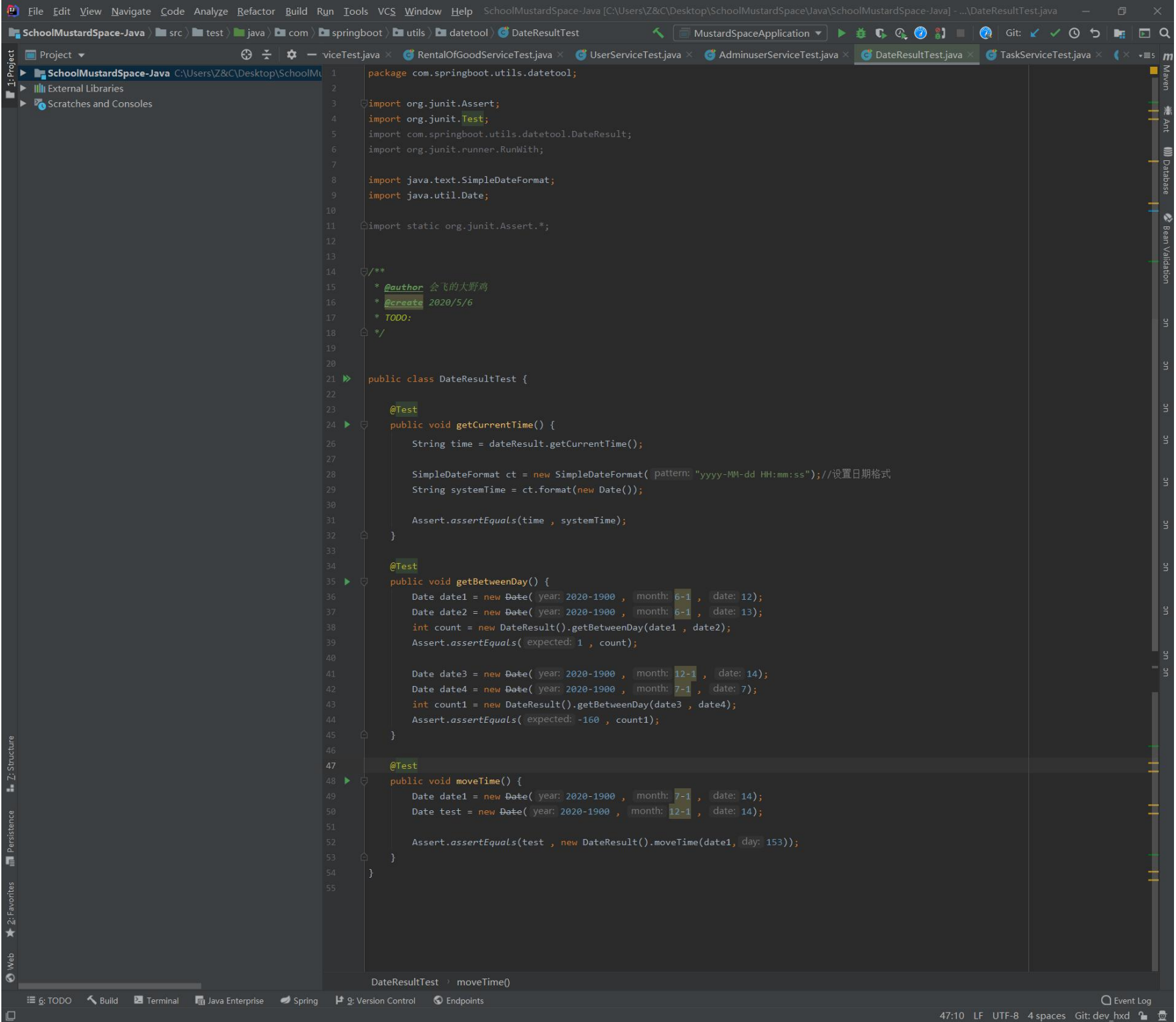
```
1 {
2   "status": 200,
3   "msg": "succeed",
4   "data": [
5     {
6       "id":
7         "5aa20998-5c3c-4318-baca-2fa8acbbf4
8         9b",
9       "userId": 1,
10      "title": "test2",
11      "content": "111",
12      "image": "asd",
13      "label": "asd",
14      "location": "asd",
15      "isDone": 1,
16      "unitPrice": "12.3",
17      "startTime": "2020-05-04 00:16:26",
18      "endTime": "2020-05-04 00:17:07",
19      "newDegree": 90,
20      "thumbUp": 1,
21      "collect": 1,
22      "comment": 1
23    }
24  ],
25 }
```

BootcampBuildBrowse

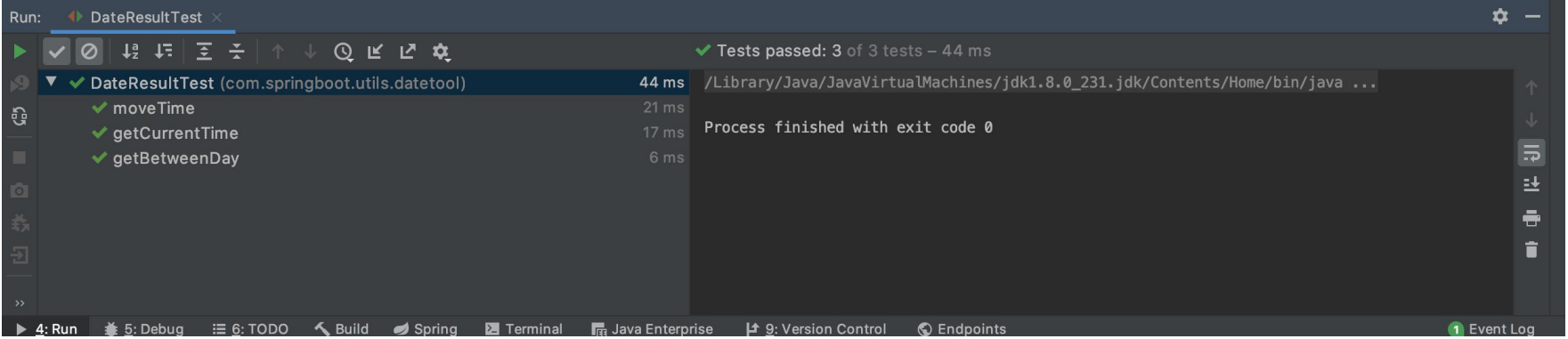
后端工具类单元测试——221701432 郑斯彬

1. 日期类工具测试

代码截图

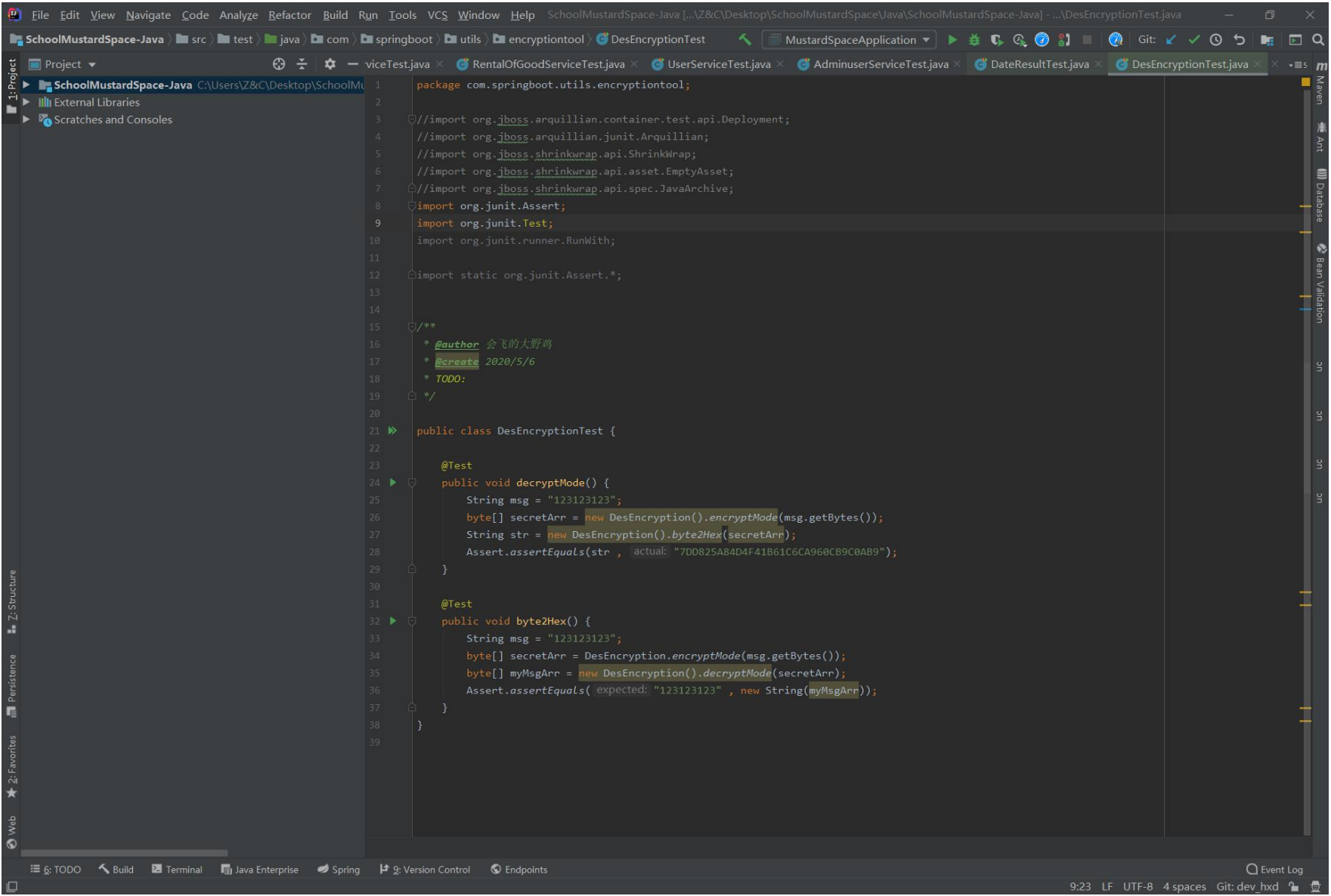


运行结果

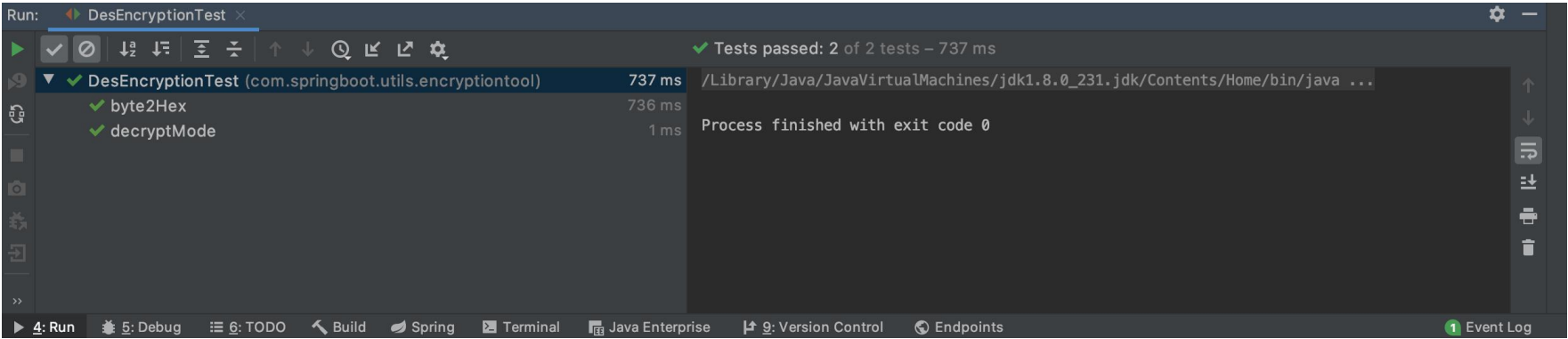


2. 密码加密工具测试

代码截图

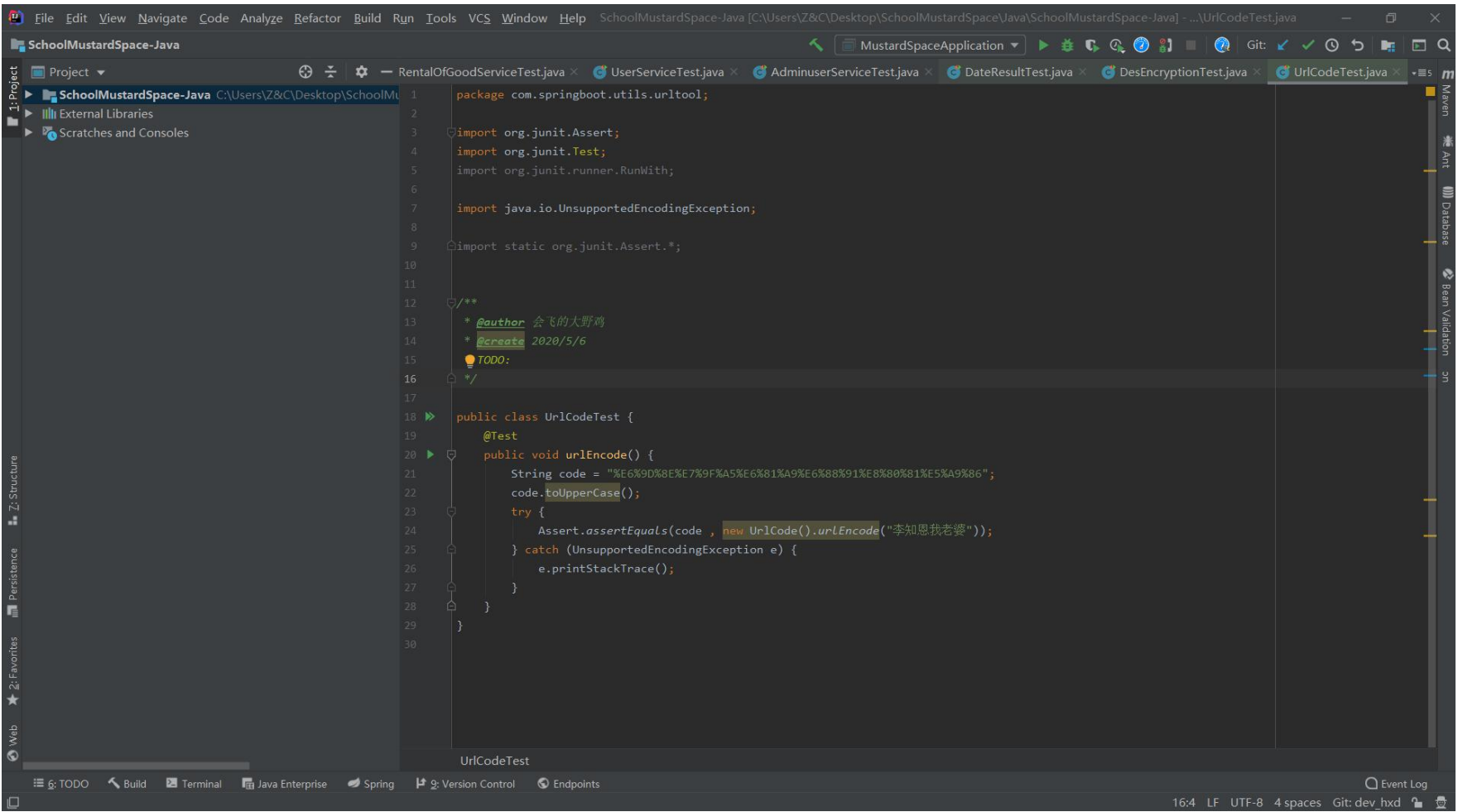


运行结果

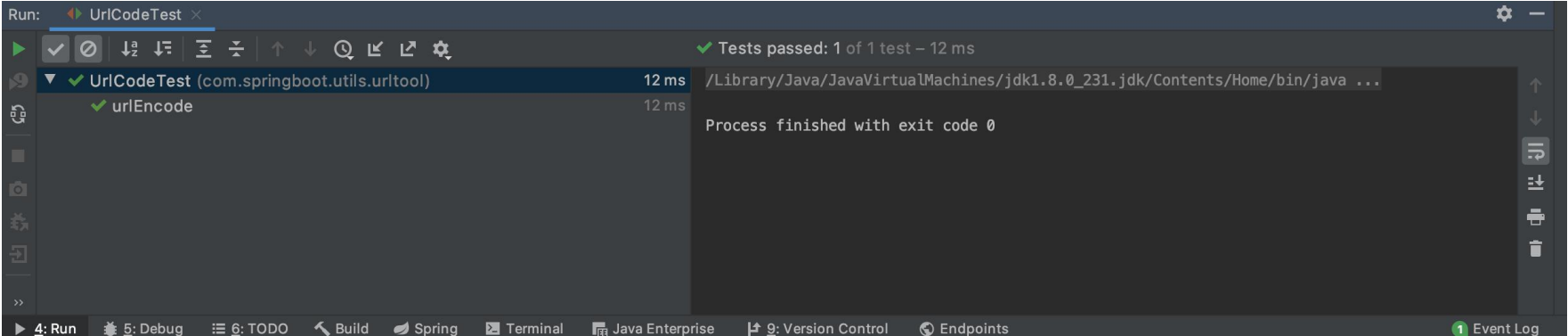


3. Url 转码工具测试

代码截图

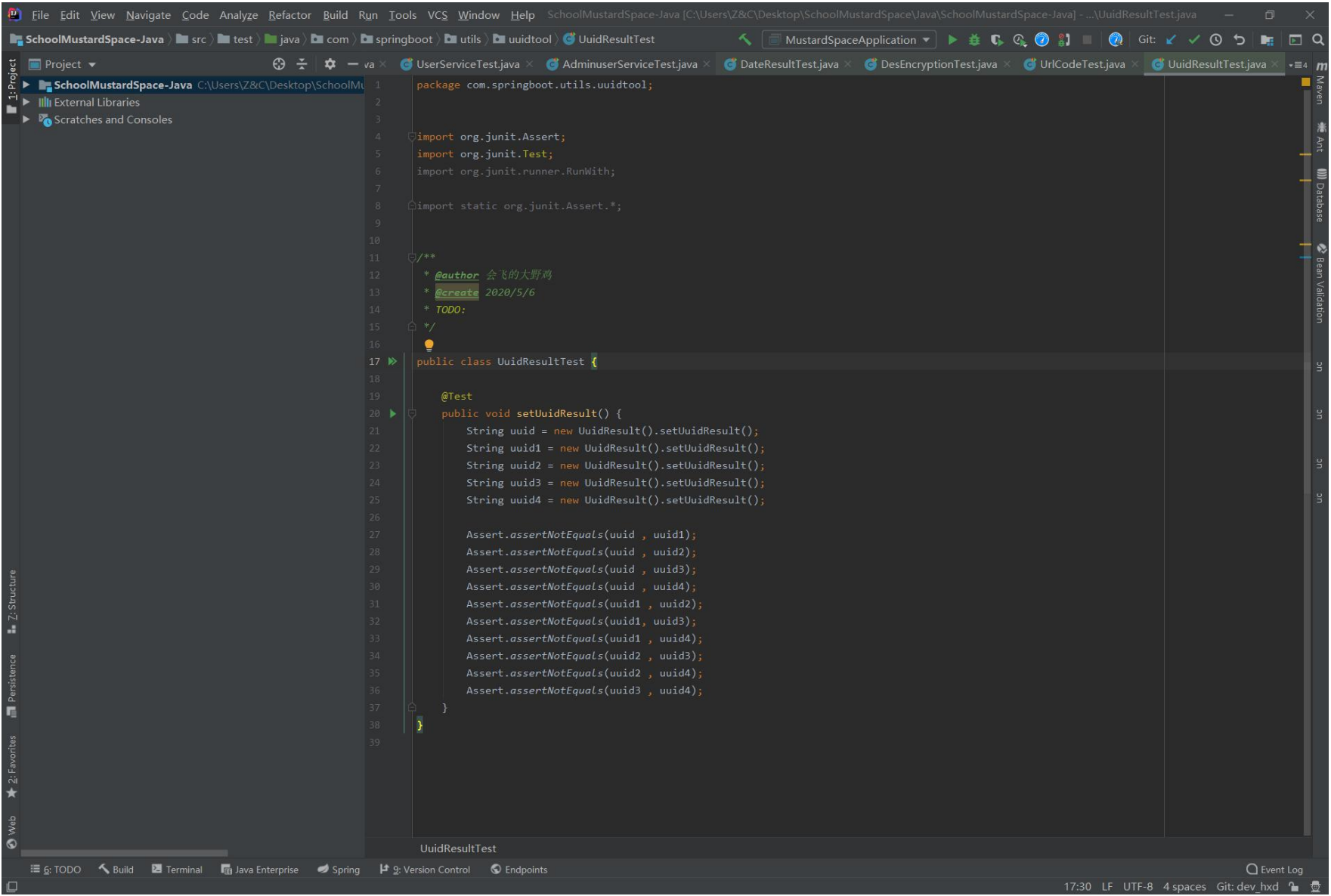


运行结果

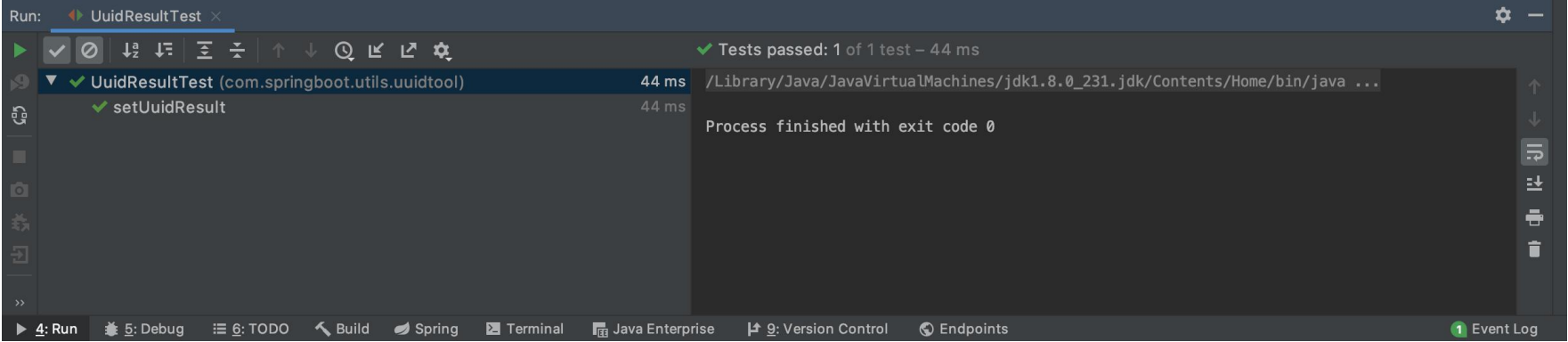


4. uuid 工具测试

代码截图



运行结果



后端框架单元测试——221701412 陈浩男、221701432 郑斯彬

1. 管理员服务层测试

代码截图

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help SchoolMustardSpace-Java [...]Z&C\Desktop\SchoolMustardSpaceJava\SchoolMustardSpace-Java] - ...AdminuserServiceTest.java
SchoolMustardSpace-Java
Project
SchoolMustardSpace-Java C:\Users\Z&C\Desktop\SchoolMustardSpaceJava\SchoolMustardSpace-Java
External Libraries
Scratches and Consoles
UserServiceTest.java x AdminuserServiceTest.java x DateResultTest.java x DesEncryptionTest.java x UrlCodeTest.java x UuidResultTest.java x
package com.test.servicetest;

import com.springboot.MustardSpaceApplication;
import com.springboot.domain.Adminuser;
import com.springboot.service.AdminuserService;
import com.springboot.utils.encryptiontool.DesEncryption;
import org.junit.Assert;
import org.junit.Test;
import org.junit.runner.RunWith;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.test.context.SpringBootTest;
import org.springframework.test.context.junit4.SpringRunner;

import static com.springboot.utils.encryptiontool.DesEncryption.byte2Hex;

/**
 * @author 会飞的大野鸡
 * @create 2020/5/7
 * TODO:
 */

@RunWith(SpringRunner.class)
@SpringBootTest(classes = {MustardSpaceApplication.class})
public class AdminuserServiceTest {

    @Autowired
    private AdminuserService adminuserService;

    /**
     * testLogin
     * TODO
     * @description testLogin
     * S, "µ~@ "Vq" 221701412 v~-I 666666
     * @author 221701412_theTuring
     * @version v 1.0.0
     * @since 2020.5.6
     */
    @Test
    public void testLogin(){

        String account = "221701412";
        String password = "test666";

        // 加密
        byte[] secretArr = DesEncryption.encryptMode(password.getBytes());
        String str = byte2Hex(secretArr);

        String result = adminuserService.login(account,str);
        String expected = "succeed";

        Assert.assertEquals(expected,result);
    }

    /**
     * testRegister
     * TODO
     * @description testRegister
     * @author 221701412_theTuring
     * @version v 1.0.0
     * @since 2020.5.6
     */
    @Test
    public void testRegister(){

        Adminuser adminuser = new Adminuser();

        adminuser.setAccountNumber("test");
        adminuser.setPassword("test");
        adminuser.setAuthority(0);

        String result = adminuserService.register(adminuser);
        String expected = "succeed";

        Assert.assertEquals(expected,result);
    }

    /**
     * testFindPassword
     * TODO
     * @description testFindPassword
     * @author 221701412_theTuring
     * @version v 1.0.0
     * @since 2020.5.6
     */
    @Test
    public void testFindPassword(){

        String account = "221701412";
        String password = "test666";

        // 加密
        byte[] secretArr = DesEncryption.encryptMode(password.getBytes());
        String str = byte2Hex(secretArr);

        String result = adminuserService.findPassword(account,str);
        String expected = "succeed";

        Assert.assertEquals(expected,result);
    }

    /**
     * testChangePassword
     * TODO
     * @description testChangePassword
     * @author 221701412_theTuring
     * @version v 1.0.0
     * @since 2020.5.6
     */
    @Test
    public void testChangePassword(){

        String account = "221701412";
        String password = "test666";
        String newPassword = "test666";

        // 加密
        byte[] secretArr = DesEncryption.encryptMode(password.getBytes());
        String str = byte2Hex(secretArr);

        String result = adminuserService.changePassword(account,str,newPassword);
        String expected = "succeed";
    }
}
```


运行结果



2. 用户服务层测试

代码截图

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help SchoolMustardSpace-Java [C:\Users\Z&C\Desktop\SchoolMustardSpace\Java\SchoolMustardSpace-Java] - ...(\UserServiceTest.java
SchoolMustardSpace-Java > src > main > java > com > test > servicetest > UserServiceTest MustardSpaceApplication
Project > SchoolMustardSpace-Java C:\Users\Z&C\Desktop\SchoolMu
External Libraries
Scratches and Consoles

1 package com.test.servicetest;
2 import com.springboot.MustardSpaceApplication;
3 import com.springboot.domain.User;
4 import com.springboot.service.UserService;
5 import com.springboot.utils.encryptiontool.DesEncryption;
6 import org.junit.Assert;
7 import org.junit.Test;
8 import org.junit.runner.RunWith;
9 import org.springframework.beans.factory.annotation.Autowired;
10 import org.springframework.boot.test.context.SpringBootTest;
11 import org.springframework.test.context.junit4.SpringRunner;
12
13 import static com.springboot.utils.encryptiontool.DesEncryption.byte2Hex;
14
15 /**
16  * @author 会飞的大野鸡
17  * @create 2020/5/7
18  * TODO:
19  */
20
21
22 @RunWith(SpringRunner.class)
23 @SpringBootTest(classes = {MustardSpaceApplication.class})
24 public class UserServiceTest {
25
26     @Autowired
27     private UserService userService;
28
29
30     /**
31      * testLogin
32      * TODO
33      * @description testLogin
34      * s, "μκ~ε "Vε" 221701412 Vε~I 666666
35      * @author 221701412_theTuring
36      * @version v 1.0.0
37      * @since 2020.5.6
38      */
39     @Test
40     public void testLogin(){
41
42         String account = "221701412";
43         String password = "test666";
44
45         // 0"Vε
46         byte[] secretArr = DesEncryption.encryptMode(password.getBytes());
47         String str = byte2Hex(secretArr);
48
49         String result = userService.login(account,str);
50         String expected = "succeed";
51
52         Assert.assertEquals(expected,result);
53     }
54
55     /**
56      * testRegister
57      * TODO
58      * @description testRegister
59      * @author 221701412_theTuring
60      * @version v 1.0.0
61      * @since 2020.5.6
62      */
63     @Test
64     public void testRegister(){
65
66         User user = new User();
67
68         user.setAccountNumber("test");
69         user.setPassword("test");
70
71         String result = userService.register(user);
72         String expected = "succeed";
73
74         Assert.assertEquals(expected,result);
75     }
76
77     /**
78      * testFindPassword
79      * TODO
80      * @description testFindPassword
81      * @author 221701412_theTuring
82      * @version v 1.0.0
83      * @since 2020.5.6
84      */
85     @Test
86     public void testFindPassword(){
87
88
89         String account = "221701412";
90         String password = "test666";
91
92         // 0"Vε
93         byte[] secretArr = DesEncryption.encryptMode(password.getBytes());
94         String str = byte2Hex(secretArr);
95
96         String result = userService.findPassword(account,str);
97         String expected = "succeed";
98
99         Assert.assertEquals(expected,result);
100     }
101
102     /**
103      * testChangePassword
104      * TODO
105      * @description testChangePassword
106      * @author 221701412_theTuring
107      * @version v 1.0.0
108      * @since 2020.5.6
109      */
110     @Test
111     public void testChangePassword(){
112
113         String account = "221701412";
114         String password = "test666";
115         String newPassword = "test666";
116
117         // 0"Vε
118         byte[] secretArr = DesEncryption.encryptMode(password.getBytes());
119         String str = byte2Hex(secretArr);
120
121         String result = userService.changePassword(account,str,newPassword);
122         String expected = "succeed";
123
124         Assert.assertEquals(expected,result);
125     }
126 }
```

运行结果

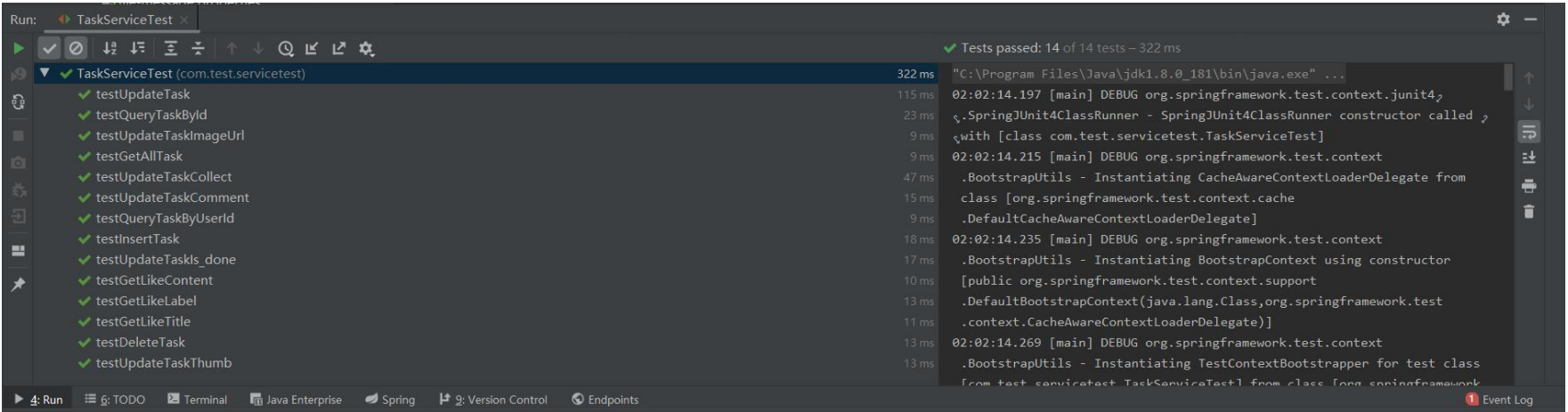


3. 任务服务层测试

代码截图

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help SchoolMustardSpace-Java [C:\Users\Z&C\Desktop\SchoolMustardSpace\Java\SchoolMustardSpace-Java] - ... \TaskServiceTest.java
SchoolMustardSpace-Java src main java com test servicetest TaskServiceTest MustardSpaceApplication
Project SchoolMustardSpace-Java C:\Users\Z&C\Desktop\SchoolMustardSpace\Java\SchoolMustardSpace-Java
  External Libraries
  Scratches and Consoles
LostAndFoundServiceTest.java x DesEncryptionTest.java x UriCodeTest.java x UuidResultTest.java x TaskServiceTest.java x CommentServiceTest.java x
1 package com.test.servicetest;
2
3 import com.springboot.MustardSpaceApplication;
4 import com.springboot.domain.Task;
5 import com.springboot.service.TaskService;
6 import org.junit.Assert;
7 import org.junit.Test;
8 import org.junit.runner.RunWith;
9 import org.springframework.beans.factory.annotation.Autowired;
10 import org.springframework.boot.test.context.SpringBootTest;
11 import org.springframework.test.context.junit4.SpringRunner;
12
13 import java.util.List;
14
15 /**
16  * @author 会飞的大野鸡
17  * @create 2020/5/7
18  * TODO:
19  */
20
21
22 @RunWith(SpringRunner.class)
23 @SpringBootTest(classes = {MustardSpaceApplication.class})
24 public class TaskServiceTest {
25
26     @Autowired
27     private TaskService taskService;
28
29     /**
30      * testGetAllTask
31      * TODO
32      * @description testGetAllTask
33      * @author 221701412_theTuring
34      * @version v 1.0.0
35      * @since 2020.5.6
36      */
37     @Test
38     public void testGetAllTask(){
39
40         List<Task> list = taskService.getAllTask();
41
42         Assert.assertNotNull(list);
43     }
44
45     /**
46      * testGetAllTask
47      * TODO
48      * @description testQueryTaskById
49      * @author 221701412_theTuring
50      * @version v 1.0.0
51      * @since 2020.5.6
52      */
53     @Test
54     public void testQueryTaskById(){
55
56         String id = "10c6512b-6681-4b7a-a038-bb8367ea80f4";
57
58         Task task = taskService.queryTaskById(id);
59
60         Assert.assertNotNull(task);
61     }
62
63     /**
64      * testQueryTaskByUserId
65      * TODO
66      * @description testQueryTaskByUserId
67      * @author 221701412_theTuring
68      * @version v 1.0.0
69      * @since 2020.5.6
70      */
71     @Test
72     public void testQueryTaskByUserId(){
73
74         String id = "10c6512b-6681-4b7a-a038-bb8367ea80f4";
75
76         List<Task> list = taskService.queryTaskByUserId(id);
77
78         Assert.assertNotNull(list);
79     }
80
81     /**
82      * testGetLikeContent
83      * TODO
84      * @description testGetLikeContent
85      * @author 221701412_theTuring
86      * @version v 1.0.0
87      * @since 2020.5.6
88      */
89     @Test
90     public void testGetLikeContent(){
91
92         String content = "test";
93
94         List<Task> list = taskService.getLikeContent(content);
95
96         Assert.assertNotNull(list);
97     }
98
99     /**
100      * testGetLikeTitle
101      * TODO
102      * @description testGetLikeTitle
103      * @author 221701412_theTuring
104      * @version v 1.0.0
105      * @since 2020.5.6
106      */
107     @Test
108     public void testGetLikeTitle(){
109
110         String title = "test";
111
112         List<Task> list = taskService.getLikeTitle(title);
113
114         Assert.assertNotNull(list);
115     }
116
117     /**
118      * testGetLikeLabel
119      * TODO
120      * @description testGetLikeLabel
121      * @author 221701412_theTuring
122      * @version v 1.0.0
123      * @since 2020.5.6
124      */
125     @Test
126     public void testGetLikeLabel(){
127
128         String label = "test";
129
130         List<Task> list = taskService.getLikeLabel(label);
131
132         Assert.assertNotNull(list);
133     }
134 }
```

运行结果

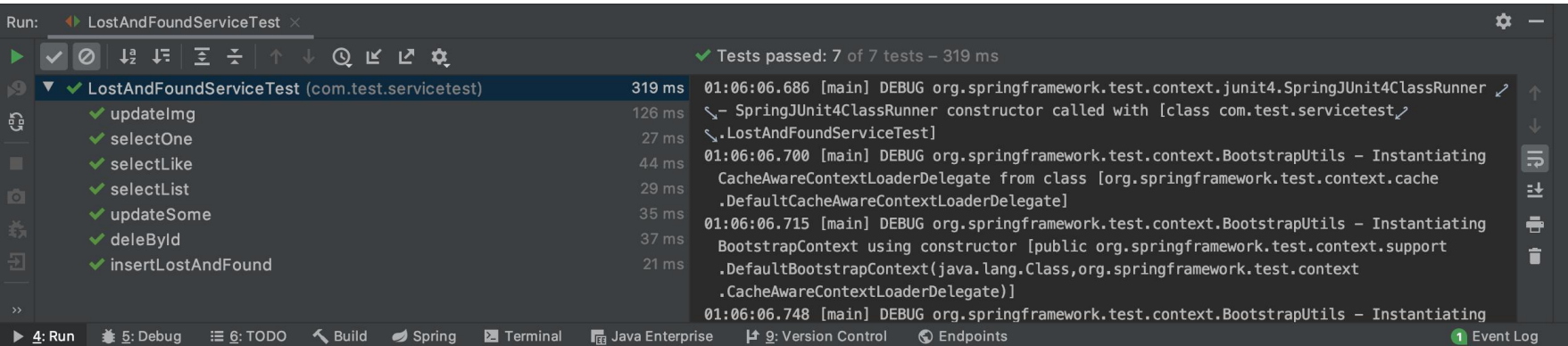


4. 失物招领服务层测试

代码截图


```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help SchoolMustardSpace-Java [...\Desktop\SchoolMustardSpace\Java\SchoolMustardSpace-Java] - ...LostAndFoundServiceTest.java
SchoolMustardSpace-Java > src > main > java > com > test > servicetest > LostAndFoundServiceTest MustardSpaceApplication
SchoolMustardSpace-Java C:\Users\Z&C\Desktop\SchoolMu
External Libraries
Scratches and Consoles
LostAndFoundServiceTest.java DesEncryptionTest.java UriCodeTest.java UuidResultTest.java TaskServiceTest.java CommentServiceTest.java
1 package com.test.servicetest;
2
3 import com.springboot.MustardSpaceApplication;
4 import com.springboot.domain.LostAndFound;
5 import com.springboot.mapper.LostAndFoundMapper;
6 import com.springboot.service.LostAndFoundService;
7 import com.springboot.utils.datetool.DateResult;
8 import org.junit.Assert;
9 import org.junit.Test;
10 import org.junit.runner.RunWith;
11 import org.springframework.beans.factory.annotation.Autowired;
12 import org.springframework.boot.test.context.SpringBootTest;
13 import org.springframework.test.context.junit4.SpringRunner;
14
15 import java.util.LinkedList;
16 import java.util.List;
17 import java.util.UUID;
18
19 /**
20  * @author 会飞的大野鸡
21  * @create 2020/5/7
22  * TODO:
23  */
24
25 @RunWith(SpringRunner.class)
26 @SpringBootTest(classes = {MustardSpaceApplication.class})
27 public class LostAndFoundServiceTest {
28     @Autowired
29     private LostAndFoundService lostAndFoundService;
30
31     @Test
32     public void insertLostAndFound(){
33         LostAndFound lostAndFound = new LostAndFound();
34         lostAndFound.setId(UUID.randomUUID().toString());
35         lostAndFound.setUserId(1);
36         lostAndFound.setTitle("asd");
37         lostAndFound.setContent("asd");
38         lostAndFound.setImage("asd");
39         lostAndFound.setLabel("asd");
40         lostAndFound.setLocation("asd");
41         lostAndFound.setTime(new DateResult().getCurrentTime());
42         lostAndFound.setIsLost(11);
43         String msg = lostAndFoundService.insertLostAndFound(lostAndFound);
44         Assert.assertEquals(msg, "succeed");
45     }
46
47     @Test
48     public void updateSome(){
49         String msg1 = lostAndFoundService.updateSome( choice: 1 , id: "2f50029a-8335-4a19-b971-f37c0aa07c34");
50         String msg2 = lostAndFoundService.updateSome( choice: 2 , id: "2f50029a-8335-4a19-b971-f37c0aa07c34");
51         String msg3 = lostAndFoundService.updateSome( choice: 3 , id: "2f50029a-8335-4a19-b971-f37c0aa07c34");
52         String msg4 = lostAndFoundService.updateSome( choice: 4 , id: "2f50029a-8335-4a19-b971-f37c0aa07c34");
53         Assert.assertEquals(msg1, "succeed");
54         Assert.assertEquals(msg2, "succeed");
55         Assert.assertEquals(msg3, "succeed");
56         Assert.assertEquals(msg4, "succeed");
57     }
58
59     @Test
60     public void deleteById(){
61         LostAndFound lostAndFound = new LostAndFound();
62         String id = UUID.randomUUID().toString();
63         lostAndFound.setId(id);
64         lostAndFound.setUserId(1);
65         lostAndFound.setTitle("asd");
66         lostAndFound.setContent("asd");
67         lostAndFound.setImage("asd");
68         lostAndFound.setLabel("asd");
69         lostAndFound.setLocation("asd");
70         lostAndFound.setTime(new DateResult().getCurrentTime());
71         lostAndFound.setIsLost(11);
72         lostAndFoundService.insertLostAndFound(lostAndFound);
73
74         String msg = lostAndFoundService.deleteById(id);
75         Assert.assertEquals(msg, "succeed");
76     }
77
78     @Test
79     public void selectList(){
80         List<LostAndFound> lostAndFound = lostAndFoundService.selectList( choice: 1 , userId: 1);
81         List<LostAndFound> lostAndFound1 = lostAndFoundService.selectList( choice: 2 , userId: 1);
82         Assert.assertNotNull(lostAndFound);
83         Assert.assertNotNull(lostAndFound1);
84     }
85
86     @Test
87     public void selectOne(){
88         String id = "2f50029a-8335-4a19-b971-f37c0aa07c34";
89         LostAndFound lostAndFound = new LostAndFound();
90         lostAndFound = null;
91         lostAndFound = lostAndFoundService.selectOne(id);
92         Assert.assertNotNull(lostAndFound);
93     }
94
95     @Test
96     public void selectLike(){
97         List<LostAndFound> lostAndFound = new LinkedList<>();
98         List<LostAndFound> lostAndFound1 = new LinkedList<>();
99         List<LostAndFound> lostAndFound2 = new LinkedList<>();
100         lostAndFound = null ; lostAndFound1 = null; lostAndFound2 = null;
101         lostAndFound = lostAndFoundService.selectLike( choice: 1 , text: "a");
102         lostAndFound1 = lostAndFoundService.selectLike( choice: 2 , text: "a");
103         lostAndFound2 = lostAndFoundService.selectLike( choice: 3 , text: "a");
104         Assert.assertNotNull(lostAndFound);
105         Assert.assertNotNull(lostAndFound1);
106         Assert.assertNotNull(lostAndFound2);
107     }
108
109     @Test
110     public void updateImg(){
111         int num = lostAndFoundService.updateImg( image: "asd" , id: "2f50029a-8335-4a19-b971-f37c0aa07c34");
112         Assert.assertEquals( expected: 1 , num);
113     }
114 }
115
LostAndFoundServiceTest
6: TODO Build Terminal Java Enterprise Spring Version Control Endpoints
27:14 LF UTF-8 4 spaces Git: dev hxd Event Log
```


运行结果



5. 物品租赁服务层测试

代码截图

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help SchoolMustardSpace-Java [...]Desktop\SchoolMustardSpaceJava\SchoolMustardSpace-Java) - ...RentalOfGoodServiceTest.java
SchoolMustardSpace-Java (src) main java com test servicetest RentalOfGoodServiceTest MustardSpaceApplication
SchoolMustardSpace-Java C:\Users\Z&C\Desktop\SchoolMu
External Libraries
Scratches and Consoles

package com.test.servicetest;

import com.springboot.MustardSpaceApplication;
import com.springboot.domain.RentalOfGood;
import com.springboot.service.RentalOfGoodService;
import org.junit.Assert;
import org.junit.Test;
import org.junit.runner.RunWith;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.test.context.SpringBootTest;
import org.springframework.test.context.junit4.SpringRunner;

import java.util.LinkedList;
import java.util.List;
import java.util.UUID;

/**
 * @author 会飞的大野鸡
 * @create 2020/5/7
 * TODO:
 */

@RunWith(SpringRunner.class)
@SpringBootTest(classes = {MustardSpaceApplication.class})
public class RentalOfGoodServiceTest {

    @Autowired
    private RentalOfGoodService rentalOfGoodService;

    @Test
    public void insertRentalOfGood(){
        String uuid = UUID.randomUUID().toString();
        RentalOfGood rentalOfGood = new RentalOfGood();
        rentalOfGood.setId(uuid);
        rentalOfGood.setUserId(1);
        rentalOfGood.setTitle("title");
        rentalOfGood.setContent("content");
        rentalOfGood.setImage("image");
        rentalOfGood.setLabel("label");
        rentalOfGood.setLocation("location");
        rentalOfGood.setUnitPrice("unitPrice");
        rentalOfGood.setStartTime("startTime");
        rentalOfGood.setEndTime("endTime");
        rentalOfGood.setNewDegree(95);
        String msg = rentalOfGoodService.insertRentalOfGood(rentalOfGood);
        Assert.assertEquals(msg, "succeed");
    }

    @Test
    public void insertTime(){
        String msg1 = rentalOfGoodService.insertTime( 1, id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        String msg2 = rentalOfGoodService.insertTime( 2, id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        Assert.assertEquals(msg1, "succeed");
        Assert.assertEquals(msg2, "succeed");
    }

    @Test
    public void updateSome(){
        String msg1 = rentalOfGoodService.updateSome( choice: 1, id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        String msg2 = rentalOfGoodService.updateSome( choice: 2, id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        String msg3 = rentalOfGoodService.updateSome( choice: 3, id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        String msg4 = rentalOfGoodService.updateSome( choice: 4, id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        Assert.assertEquals(msg1, "succeed");
        Assert.assertEquals(msg2, "succeed");
        Assert.assertEquals(msg3, "succeed");
        Assert.assertEquals(msg4, "succeed");
    }

    @Test
    public void deleteById(){
        String uuid = UUID.randomUUID().toString();
        RentalOfGood rentalOfGood = new RentalOfGood();
        rentalOfGood.setId(uuid);
        rentalOfGood.setUserId(1);
        rentalOfGood.setTitle("title");
        rentalOfGood.setContent("content");
        rentalOfGood.setImage("image");
        rentalOfGood.setLabel("label");
        rentalOfGood.setLocation("location");
        rentalOfGood.setUnitPrice("unitPrice");
        rentalOfGood.setStartTime("startTime");
        rentalOfGood.setEndTime("endTime");
        rentalOfGood.setNewDegree(95);
        rentalOfGoodService.insertRentalOfGood(rentalOfGood);
        String msg = rentalOfGoodService.deleteById(uuid);
        Assert.assertEquals(msg, "succeed");
    }

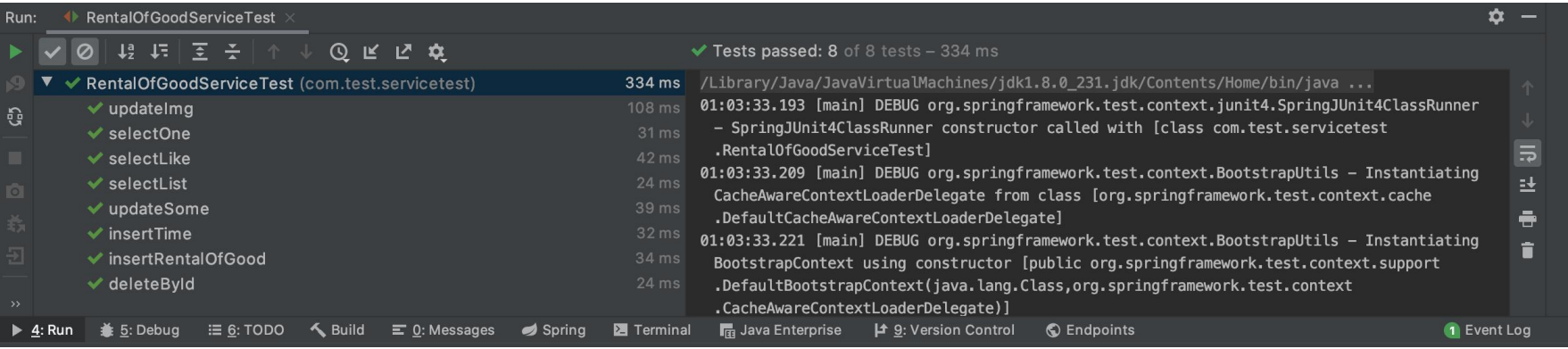
    @Test
    public void selectList(){
        List<RentalOfGood> rentalOfGoods = new LinkedList<>();
        List<RentalOfGood> rentalOfGoods1 = new LinkedList<>();
        rentalOfGoods = null; rentalOfGoods1 = null;
        rentalOfGoods = rentalOfGoodService.selectList( choice: 1, userId: 1);
        rentalOfGoods1 = rentalOfGoodService.selectList( choice: 1, userId: 1);
        Assert.assertNotNull(rentalOfGoods);
        Assert.assertNotNull(rentalOfGoods1);
    }

    @Test
    public void selectOne(){
        RentalOfGood rentalOfGood = new RentalOfGood();
        rentalOfGood = null;
        rentalOfGood = rentalOfGoodService.selectOne( id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        Assert.assertNotNull(rentalOfGood);
    }

    @Test
    public void selectLike(){
        List<RentalOfGood> rentalOfGoods = new LinkedList<>();
        rentalOfGoods = null; rentalOfGoods1 = null; rentalOfGoods2 = null;
        rentalOfGoods = rentalOfGoodService.selectLike( choice: 1, text: "a");
        rentalOfGoods1 = rentalOfGoodService.selectLike( choice: 2, text: "a");
        rentalOfGoods2 = rentalOfGoodService.selectLike( choice: 3, text: "a");
        Assert.assertNotNull(rentalOfGoods);
        Assert.assertNotNull(rentalOfGoods1);
        Assert.assertNotNull(rentalOfGoods2);
    }

    @Test
    public void updateImg(){
        int num = rentalOfGoodService.updateImg( image: "asd", id: "5aa20998-5c3c-4318-baca-2fa8acbbf49b");
        Assert.assertEquals( expected: 1, num);
    }
}
```

运行结果

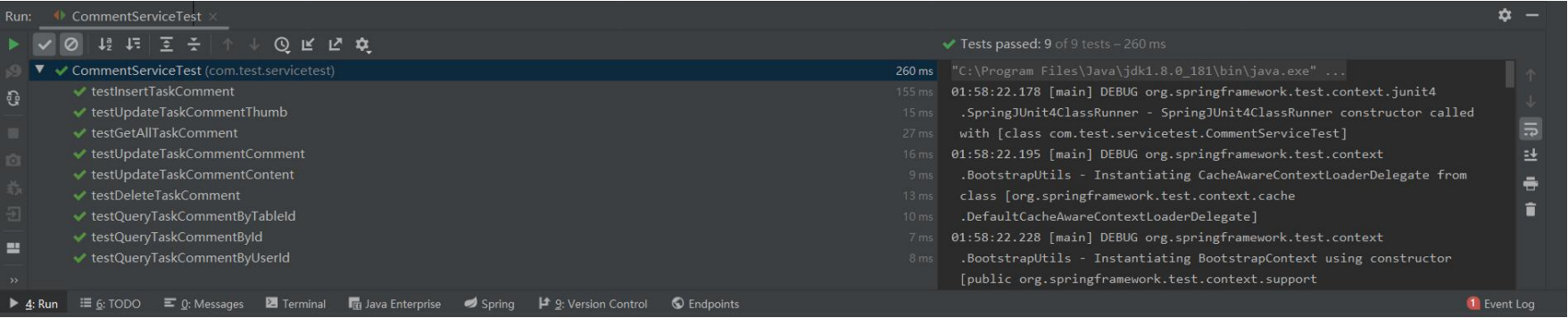


6. 评论服务层测试

代码截图

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help SchoolMustardSpace-Java [...]Z&C\Desktop\SchoolMustardSpaceJava\SchoolMustardSpace-Java] - ...CommentServiceTest.java
SchoolMustardSpace-Java > src > main > java > com > test > servicetest > CommentServiceTest MustardSpaceApplication
Project SchoolMustardSpace-Java C:\Users\Z&C\Desktop\SchoolMu
  External Libraries
  Scratches and Consoles
LostAndFoundServiceTest.java x DesEncryptionTest.java x UrhCodeTest.java x CommentServiceTest.java x RentalOfGoodServiceTest.java x Uuid x
1 package com.test.servicetest;
2
3 import com.springboot.MustardSpaceApplication;
4
5 import com.springboot.domain.Comment;
6 import com.springboot.service.TaskCommentService;
7 import org.junit.Assert;
8 import org.junit.Test;
9 import org.junit.runner.RunWith;
10 import org.springframework.beans.factory.annotation.Autowired;
11 import org.springframework.boot.test.context.SpringBootTest;
12 import org.springframework.test.context.junit4.SpringRunner;
13
14 import java.util.List;
15
16
17 /**
18  * @author 会飞的大野鸡
19  * @create 2020/5/7
20  * TODO:
21  */
22
23
24 @RunWith(SpringRunner.class)
25 @SpringBootTest(classes = {MustardSpaceApplication.class})
26 public class CommentServiceTest {
27
28     @Autowired
29     private TaskCommentService taskCommentService;
30
31     /**
32      * testGetAllTaskComment
33      * TODO
34      * @description testGetAllTaskComment
35      * @author 221701412_theTuring
36      * @version v 1.0.0
37      * @since 2020.5.6
38      */
39     @Test
40     public void testGetAllTaskComment(){
41
42         List<Comment> list = taskCommentService.getAllTaskComment();
43
44         Assert.assertNotNull(list);
45     }
46
47     /**
48      * testQueryTaskCommentById
49      * TODO
50      * @description testQueryTaskCommentById
51      * @author 221701412_theTuring
52      * @version v 1.0.0
53      * @since 2020.5.6
54      */
55     @Test
56     public void testQueryTaskCommentById(){
57
58         String id = "b51fb005-af3b-42c5-80ce-3b16531b7f30";
59
60         Comment comment = taskCommentService.queryTaskCommentById(id);
61
62         Assert.assertNotNull(comment);
63     }
64
65     /**
66      * testQueryTaskCommentByUserId
67      * TODO
68      * @description testQueryTaskCommentByUserId
69      * @author 221701412_theTuring
70      * @version v 1.0.0
71      * @since 2020.5.6
72      */
73     @Test
74     public void testQueryTaskCommentByUserId(){
75
76         String user_id = "1";
77
78         List<Comment> list = taskCommentService.queryTaskCommentByUserId(user_id);
79
80         Assert.assertNotNull(list);
81     }
82
83     /**
84      * testQueryTaskCommentByTableId
85      * TODO
86      * @description testQueryTaskCommentByTableId
87      * @author 221701412_theTuring
88      * @version v 1.0.0
89      * @since 2020.5.6
90      */
91     @Test
92     public void testQueryTaskCommentByTableId(){
93
94         String table_id = "04cc5c44-2c3e-488b-9947-1b1db08e81c1";
95
96         List<Comment> list = taskCommentService.queryTaskCommentByTableId(table_id);
97
98         Assert.assertNotNull(list);
99     }
100
101     /**
102      * testInsertTaskComment
103      * TODO
104      * @description testInsertTaskComment
105      * @author 221701412_theTuring
106      * @version v 1.0.0
107      * @since 2020.5.6
108      */
109     @Test
110     public void testInsertTaskComment(){
111
112         Comment comment = new Comment();
113
114         comment.setId("test_uuid");
115         comment.setTable_id("04cc5c44-2c3e-488b-9947-1b1db08e81c1");
116         comment.setUser_id(1);
117         comment.setPublish_time("ts");
118
119         int result = taskCommentService.insertTaskComment(comment);
120         int expected = 1;
121
122         Assert.assertEquals(expected,result);
123     }
124
125 }
```


运行结果



后端性能测试——221701429 黄晓东

在程序启动后开始测试，标记当时的数据方便后续对比，打开 CPU views。

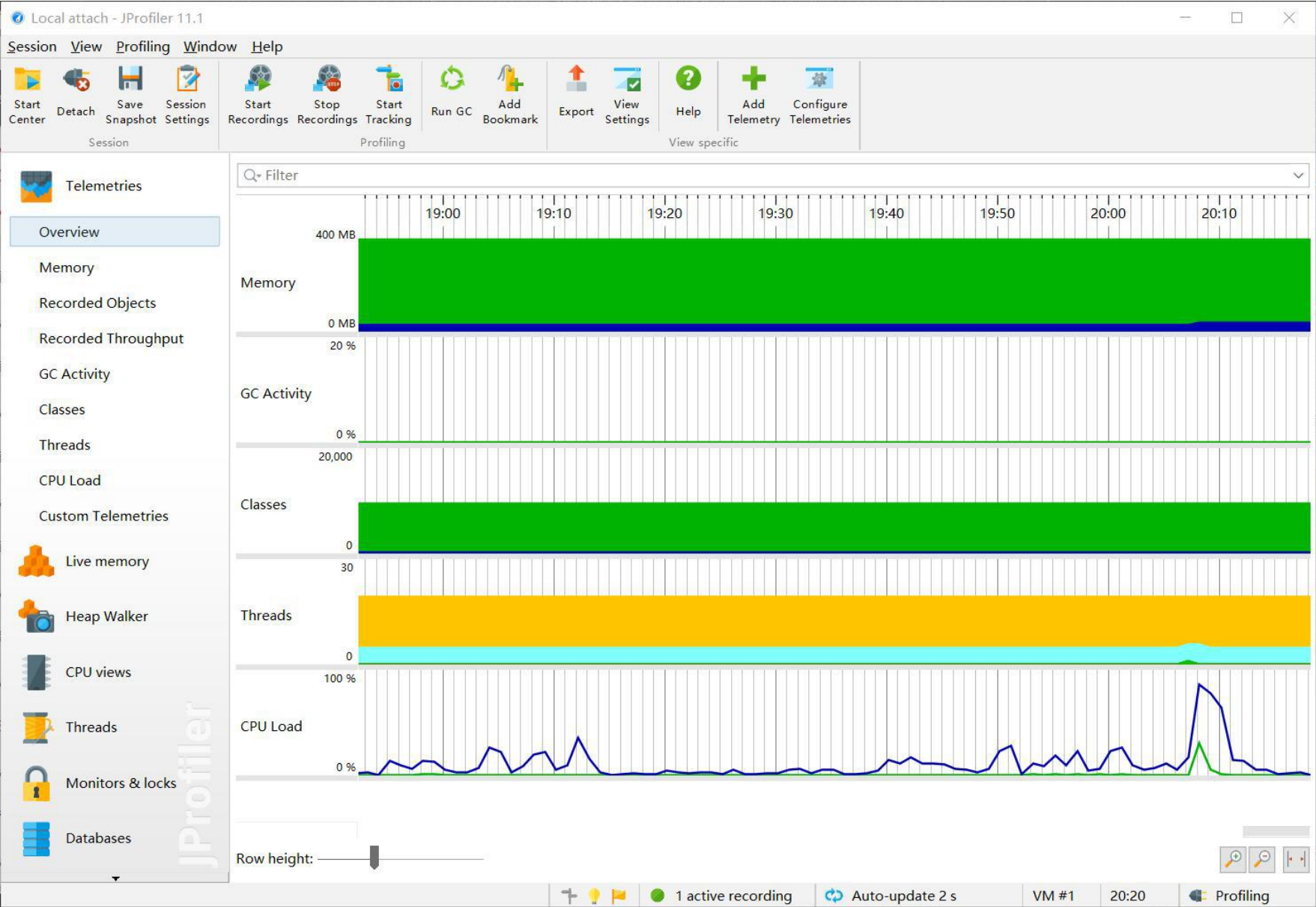
第一次测试访问 43 次接口，可以看出内存使用只有细微变化，CPU 负荷短时间内升高后降低，对内存分析中，char[]和 String 的创建提升了近 20k。快速访问结束。

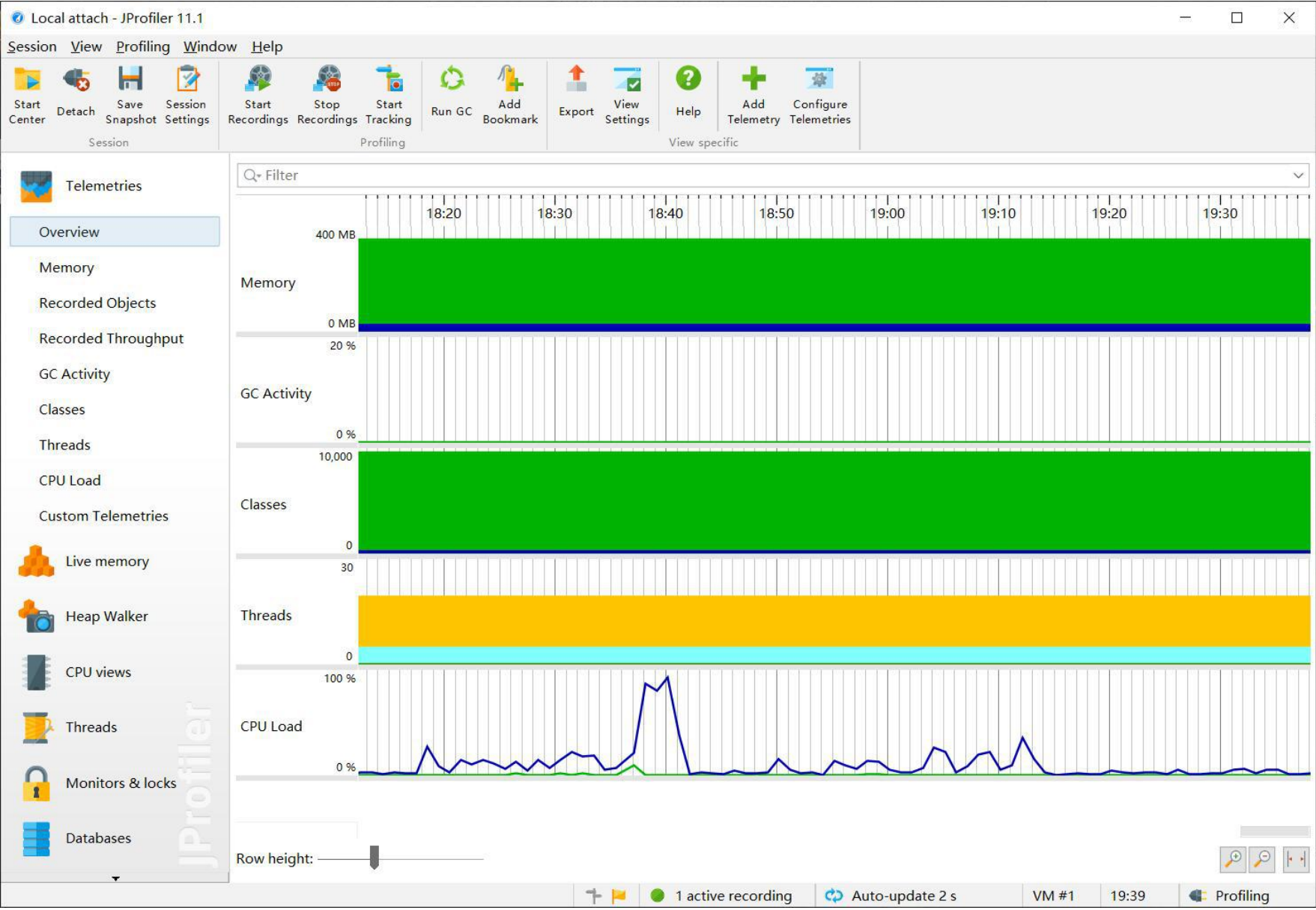
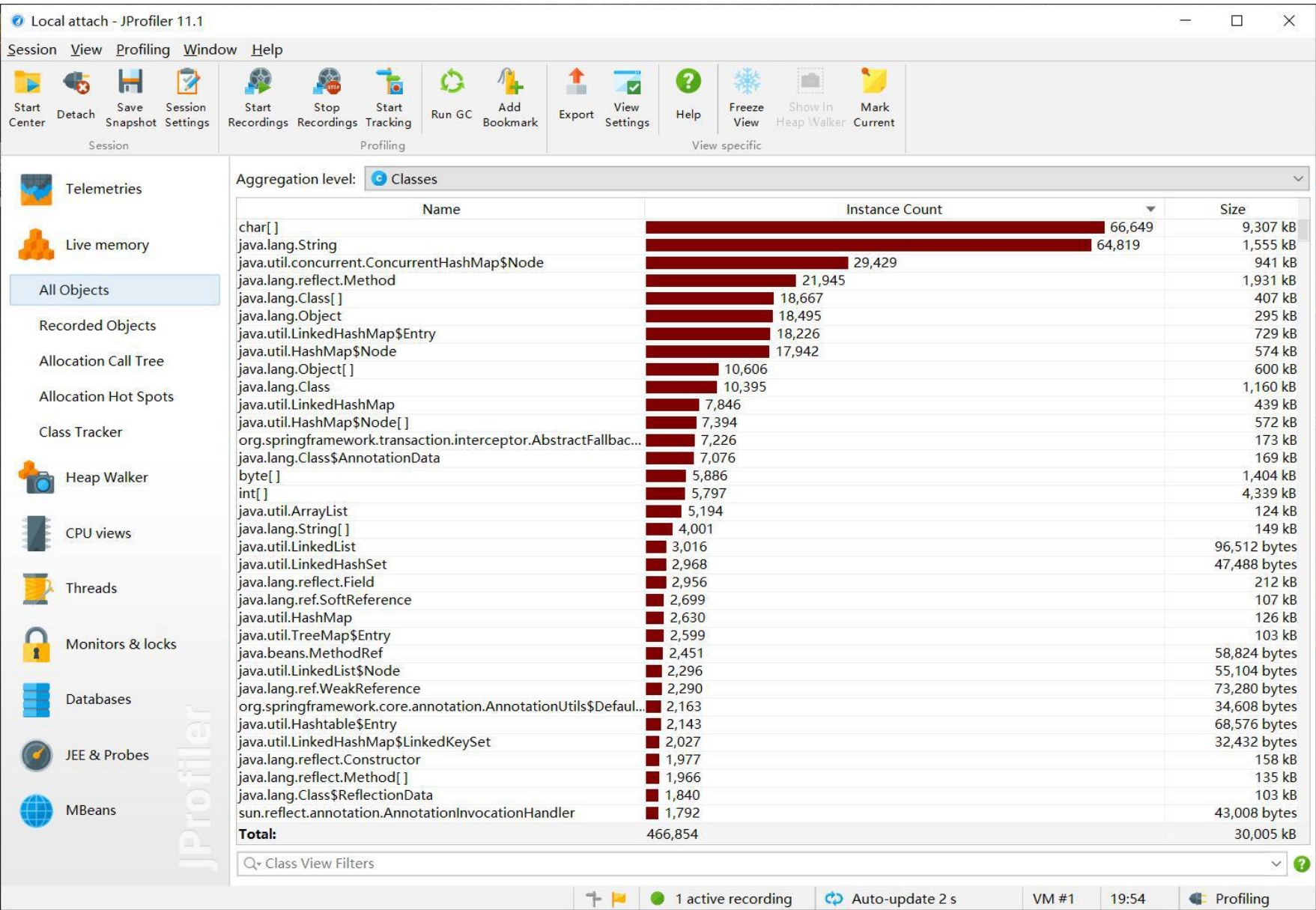
第二次测试访问 430 次接口，内存的使用有了小幅度的攀升，CPU 保持大约 20 秒的高负荷状态，char[]的创建增加了 2 倍，String、Object 和 class 等的创建也是大幅增加。此时查看 CPU 的调用树，发现用时较为平均。测试花费约 30 秒。

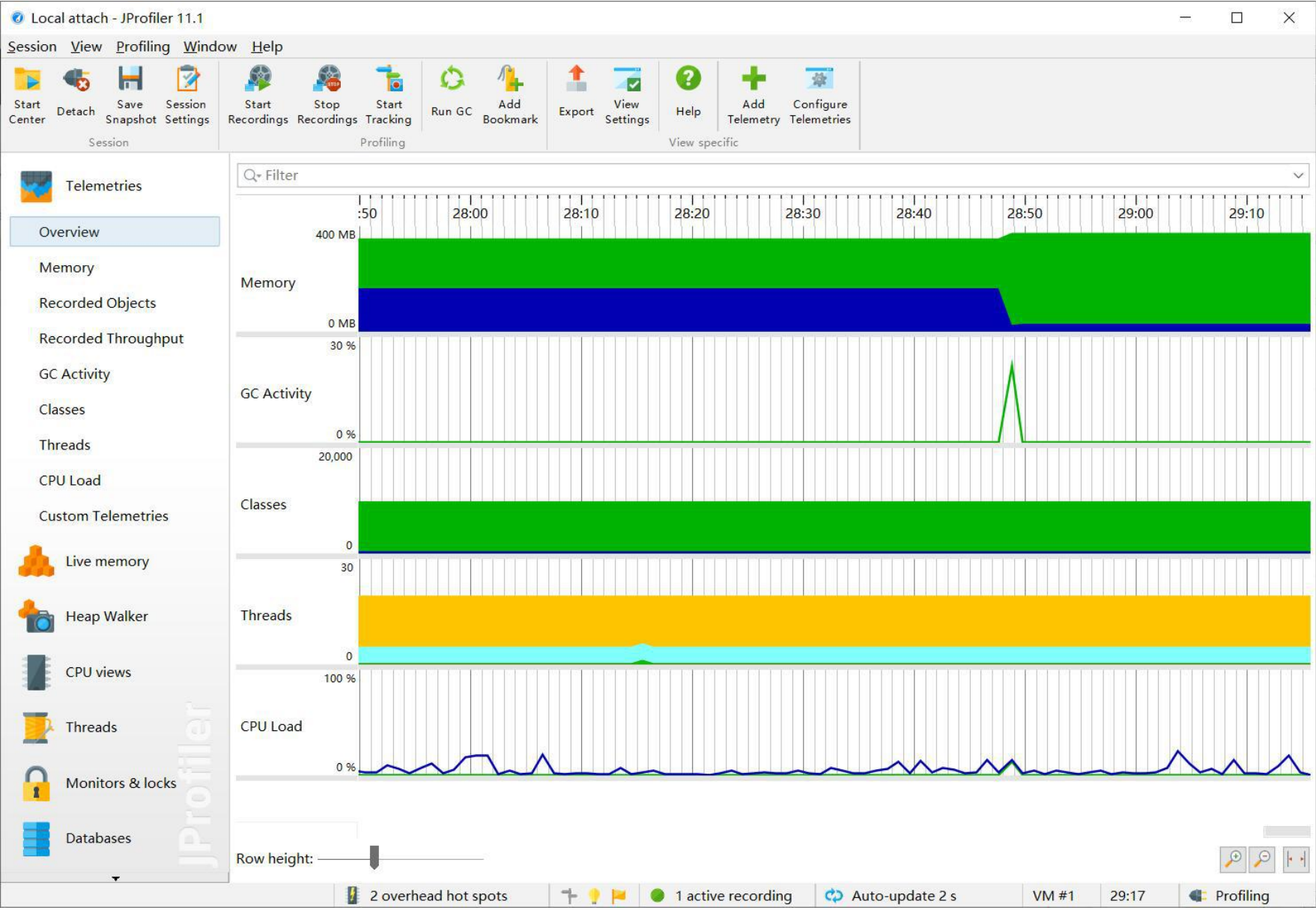
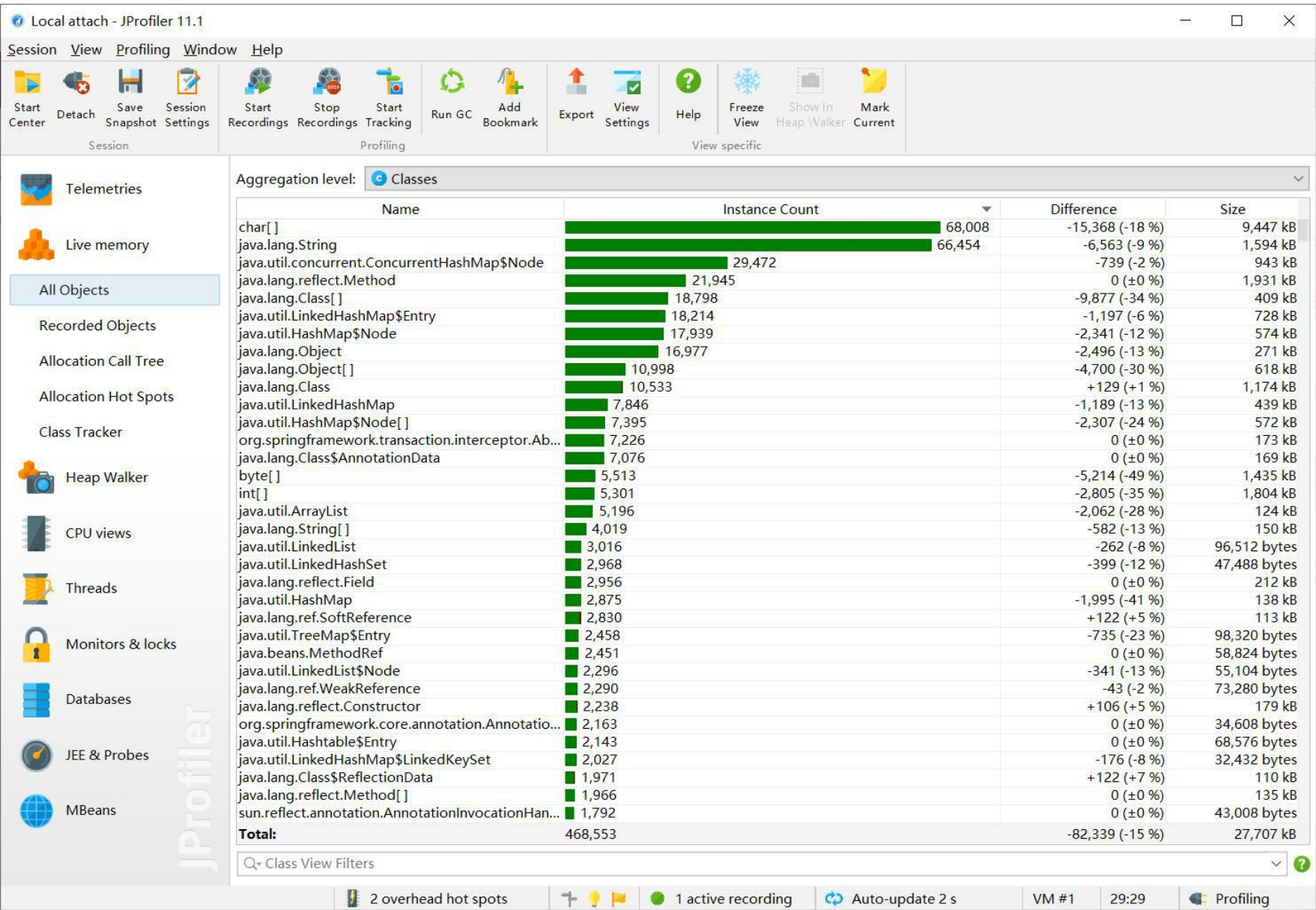
第三次测试访问 2150 次接口，运行初内存使用大幅度上升后断崖下降，观察到 GC 的活动，可以判断是垃圾自动回收，后持续上升至一半的内存保持不变，内存的使用中看出所有对象的创建都飙升，此时显然达到负载上限，查看调用树可知更新管理员信息和物品租赁的更新和查找耗时较长。

手动 GC 后内存使用下降至初始状态，各种类的实例也被删除，没有内存泄漏。

第四次测试访问 1720 次接口，内存变化和 2150 次类似，不同之处在于下降后只有小幅度上升后保持平稳，发现对象创建过多，较初始状态提升 16 倍有余，可以考虑减少对象的创建，调用树中分析/api/rental/query/all 的耗费时间对比其他高了一倍以上，原因应该是在数据库中存在大量数据时查询全部非常缓慢，考虑优化查询方式。







Local attach - JProfiler 11.1

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JavaScript XHR

Threads

Monitors & locks

Databases

JEE & Probes

Thread selection: All thread groups

Aggregation level: Methods

Thread status: Runnable

View mode: Tree

100.0% - 9,573 ms - 10 inv. org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run

> 8.6% - 823 ms - 61 inv. HTTP: /api/admin/update

> 7.7% - 736 ms - 61 inv. HTTP: /api/rental/update/collect

> 7.0% - 666 ms - 61 inv. HTTP: /api/rental/query/like/label

> 3.0% - 291 ms - 122 inv. HTTP: /api/admin/find/password

> 2.5% - 242 ms - 122 inv. HTTP: /api/user/find/password

> 2.0% - 187 ms - 61 inv. HTTP: /api/admin/register

> 1.9% - 186 ms - 61 inv. HTTP: /api/rental/query/userId

> 1.9% - 181 ms - 61 inv. HTTP: /api/lost_and_found/query/like/title

> 1.9% - 177 ms - 61 inv. HTTP: /api/lost_and_found/query/like/label

> 1.8% - 171 ms - 61 inv. HTTP: /api/rental/query/like/title

> 1.7% - 167 ms - 61 inv. HTTP: /api/rental/insert

> 1.7% - 163 ms - 61 inv. HTTP: /api/rental/query/like/content

> 1.7% - 161 ms - 61 inv. HTTP: /api/rental/query/all

> 1.7% - 160 ms - 61 inv. HTTP: /api/lost_and_found/query/userId

> 1.7% - 158 ms - 61 inv. HTTP: /api/admin/login

> 1.6% - 157 ms - 61 inv. HTTP: /api/lost_and_found/insert

> 1.6% - 156 ms - 61 inv. HTTP: /api/lost_and_found/query/like/content

> 1.6% - 155 ms - 61 inv. HTTP: /api/user/update

> 1.6% - 155 ms - 61 inv. HTTP: /api/lost_and_found/query/all

> 1.6% - 155 ms - 61 inv. HTTP: /api/user/login

> 1.6% - 153 ms - 61 inv. HTTP: /api/user/register

> 1.6% - 149 ms - 61 inv. HTTP: /api/admin/query/accountNumber/221701429

> 1.6% - 148 ms - 61 inv. HTTP: /api/user/query/accountNumber/221701429

> 1.5% - 145 ms - 61 inv. HTTP: /api/rental/update/isDone

> 1.5% - 143 ms - 61 inv. HTTP: /api/admin/query/id/6

> 1.5% - 140 ms - 61 inv. HTTP: /api/user/query/id/16

> 1.5% - 138 ms - 61 inv. HTTP: /api/rental/delete

> 1.3% - 126 ms - 61 inv. HTTP: /api/rental/rent

> 1.3% - 124 ms - 61 inv. HTTP: //api/lost_and_found/update/thumbUp

> 1.3% - 122 ms - 61 inv. HTTP: /api/admin/delete

> 1.3% - 120 ms - 61 inv. HTTP: /api/user/delete

> 1.3% - 120 ms - 61 inv. HTTP: /api/lost_and_found/query/id

Q Call Tree View Filters

2 overhead hot spots1 active recordingAuto-update 5 sVM #127:34Profiling

Local attach - JProfiler 11.1

SessionViewProfilingWindowHelp

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Databases

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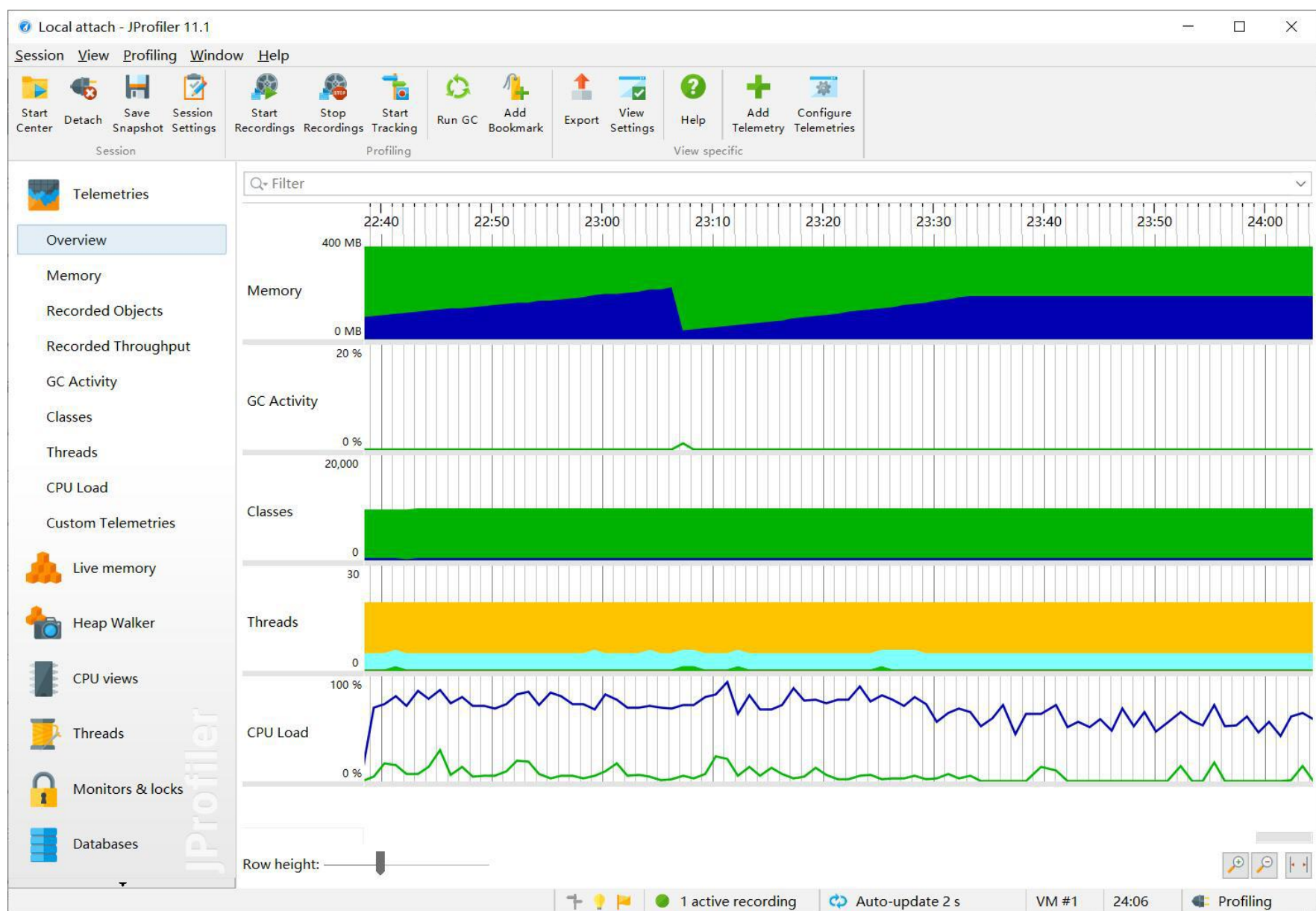
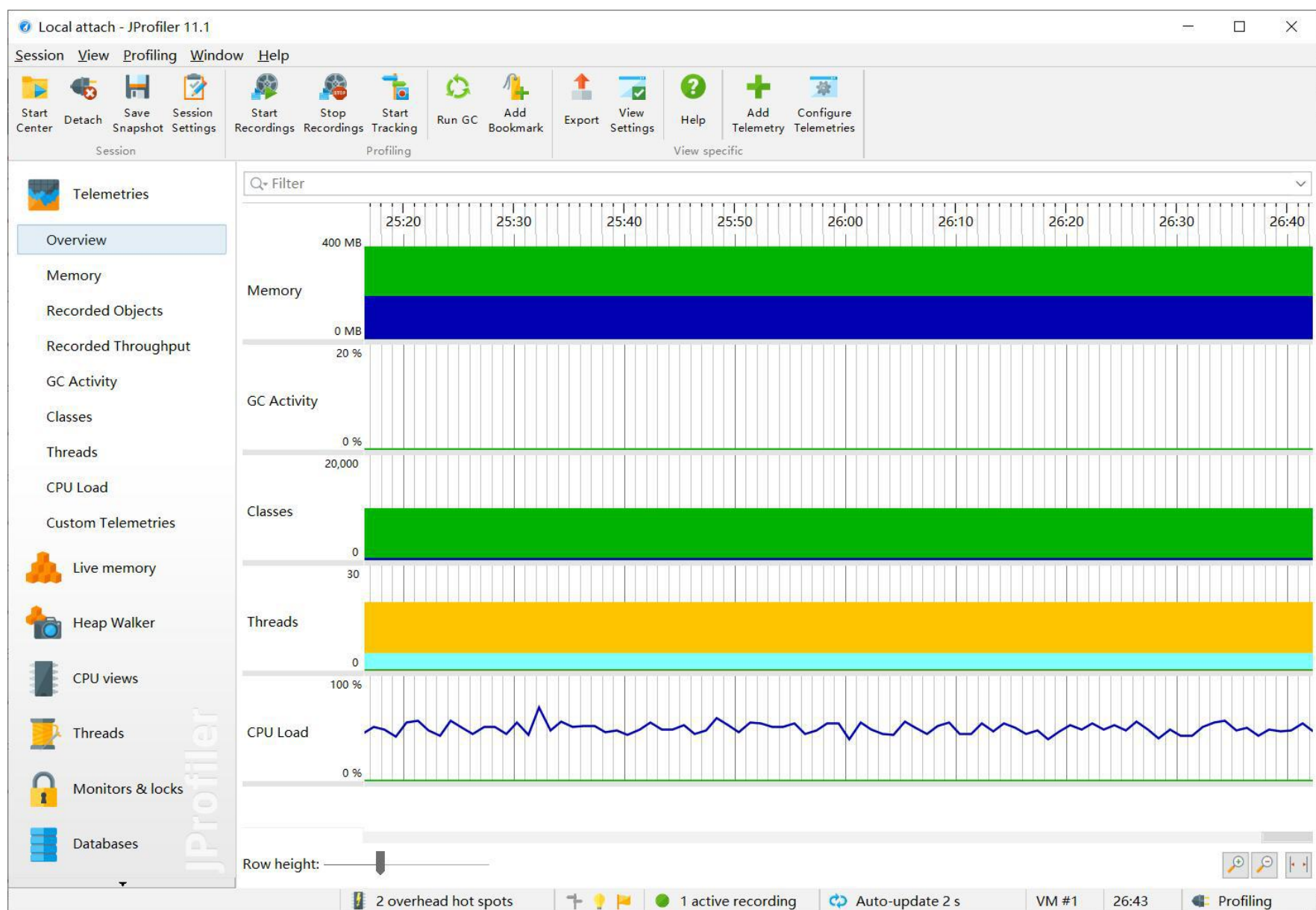
MBeans

Aggregation level: Classes

Name	Instance Count	Difference	Size
char[]	723,364	+639,988 (+768 %)	51,025 kB
java.lang.Object[]	496,964	+481,266 (+3066 %)	11,904 kB
java.lang.String	450,614	+377,597 (+517 %)	10,814 kB
java.lang.Class[]	296,051	+267,376 (+932 %)	5,036 kB
byte[]	136,768	+126,041 (+1175 %)	17,956 kB
com.mysql.cj.result.StringValueFactory	110,318	+109,840 (+22979 %)	1,765 kB
java.lang.Integer	92,351	+90,886 (+6204 %)	1,477 kB
java.util.HashMap	83,455	+78,585 (+1614 %)	4,005 kB
com.mysql.cj.result.StringConverter	81,880	+81,552 (+24863 %)	2,620 kB
java.util.HashMap\$Node	77,223	+56,943 (+281 %)	2,471 kB
java.util.HashMap\$Node[]	65,847	+56,145 (+579 %)	3,589 kB
int[]	63,453	+55,347 (+683 %)	8,002 kB
java.util.ArrayList\$Itr	56,734	+53,465 (+1636 %)	1,815 kB
java.util.LinkedHashMap\$LinkedKeyIterator	49,852	+47,858 (+2400 %)	1,595 kB
java.util.concurrent.ConcurrentHashMap\$Node	48,130	+17,919 (+59 %)	1,540 kB
java.util.LinkedHashMap\$Entry	47,241	+27,830 (+143 %)	1,889 kB
java.nio.HeapByteBuffer	42,646	+41,433 (+3416 %)	2,047 kB
java.util.ArrayList	41,516	+34,258 (+472 %)	996 kB
java.util.LinkedHashMap	37,927	+28,892 (+320 %)	2,123 kB
com.mysql.cj.util.LazyString	31,215	+29,988 (+2444 %)	998 kB
java.lang.StringBuilder	24,569	+22,664 (+1190 %)	589 kB
com.mysql.cj.protocol.a.NativePacketHeader	23,513	+23,068 (+5184 %)	376 kB
java.util.LinkedHashMap\$LinkedValueIterator	23,279	+22,258 (+2180 %)	744 kB
java.lang.Object	23,036	+3,563 (+18 %)	368 kB
java.lang.annotation.Annotation[]	22,751	+21,738 (+2146 %)	683 kB
com.mysql.cj.protocol.a.NativePacketPayload	22,368	+21,948 (+5226 %)	536 kB
java.lang.reflect.Method	21,945	0 (±0 %)	1,931 kB
java.util.regex.Matcher	21,377	+20,525 (+2409 %)	1,368 kB
java.lang.String[]	18,786	+14,185 (+308 %)	684 kB
org.apache.ibatis.reflection.MetaObject	18,085	+17,855 (+7763 %)	578 kB
java.lang.reflect.Constructor	17,967	+15,835 (+743 %)	1,437 kB
java.util.TreeMap\$Entry	16,718	+13,525 (+424 %)	668 kB
java.util.HashSet	16,246	+14,766 (+998 %)	259 kB
org.apache.ibatis.reflection.MetaClass	15,195	+15,013 (+8249 %)	364 kB
Total:	4,054,104	+3,484,192 (+611 %)	170 MB

Q Class View Filters

2 overhead hot spots1 active recordingAuto-update 5 sVM #127:21Profiling



Local attach - JProfiler 11.1

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Complexity Analysis

Call Tracer

JavaScript XHR

Threads

Monitors & locks

Databases

JEE & Probes

Thread selection: All thread groups

Aggregation level: Methods

Thread status: Runnable

View mode: Tree

100.0% - 3,875 ms - 10 inv. org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run

12.2% - 473 ms - 40 inv. HTTP: /api/rental/query/all

10.6% - 409 ms - 40 inv. com.springboot.controller.RentalOfGoodController.queryAll

10.5% - 408 ms - 40 inv. com.springboot.service.impl.RentalOfGoodServiceImpl.selectList

10.5% - 408 ms - 40 inv. org.mybatis.spring.SqlSessionTemplate.selectList

10.5% - 408 ms - 40 inv. org.apache.ibatis.session.SqlSession.selectList

10.5% - 408 ms - 40 inv. org.mybatis.spring.SqlSessionTemplate\$SqlSessionInterceptor.invoke

10.5% - 406 ms - 40 inv. java.lang.reflect.Method.invoke

8.4% - 326 ms - 5,900 inv. com.springboot.domain.RentalOfGood.setUserld

0.0% - 1,047 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setld

0.0% - 785 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setTitle

0.0% - 747 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setCollect

0.0% - 744 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setContent

0.0% - 737 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setLocation

0.0% - 725 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setStartTime

0.0% - 708 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setIsDone

0.0% - 706 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setImage

0.0% - 693 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setComment

0.0% - 672 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setLabel

0.0% - 670 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setThumbUp

0.0% - 665 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setEndTime

0.0% - 661 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setUnitPrice

0.0% - 644 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setNewDegree

0.0% - 565 μs - 40 inv. org.mybatis.spring.transaction.SpringManagedTransaction.getConnection

0.0% - 44 μs - 40 inv. org.mybatis.spring.transaction.SpringManagedTransaction.getTimeout

0.0% - 799 μs - 40 inv. org.mybatis.spring.SqlSessionUtils.closeSqlSession

0.0% - 491 μs - 40 inv. org.mybatis.spring.SqlSessionUtils.getSqlSession

0.0% - 176 μs - 40 inv. org.apache.ibatis.session.SqlSession.commit

0.0% - 142 μs - 40 inv. org.mybatis.spring.SqlSessionUtils.isSqlSessionTransactional

0.0% - 76 μs - 40 inv. java.util.LinkedList.<init>

0.0% - 54 μs - 40 inv. java.lang.Integer.valueOf

0.0% - 41 μs - 40 inv. com.springboot.util.jsontool.JsonResult.build

0.0% - 755 μs - 5,900 inv. com.springboot.domain.RentalOfGood.setld

Q Call Tree View Filters

1 overhead hot spot1 active recordingAuto-update 5 sVM #131:10Profiling

Local attach - JProfiler 11.1

SessionViewProfilingWindowHelp

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Class Tracker

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CPU views

Threads

Monitors & locks

Databases

JEE & Probes

MBeans

Aggregation level: Classes

Name	Instance Count	Difference	Size
char[]	243,155	+179,540 (+282 %)	18,336 kB
java.lang.Object[]	185,831	+175,369 (+1676 %)	4,422 kB
java.lang.String	172,141	+109,960 (+177 %)	4,131 kB
java.lang.Class[]	51,729	+41,546 (+408 %)	906 kB
com.mysql.cj.result.StringValueFactory	45,304	+45,304 (+Inf %)	724 kB
java.lang.Integer	35,909	+35,173 (+4779 %)	574 kB
com.mysql.cj.result.StringConverter	33,474	+33,474 (+Inf %)	1,071 kB
byte[]	32,664	+27,712 (+560 %)	4,374 kB
java.lang.Object	31,771	+15,418 (+94 %)	508 kB
java.util.concurrent.ConcurrentHashMap\$Node	31,594	+2,289 (+8 %)	1,011 kB
java.util.HashMap\$Node	24,517	+7,306 (+42 %)	784 kB
java.util.LinkedHashMap\$Entry	20,746	+3,546 (+21 %)	829 kB
java.util.HashMap	20,528	+17,855 (+668 %)	985 kB
java.util.ArrayList\$Itr	15,837	+15,834 (+527800 %)	506 kB
java.lang.reflect.Method	15,387	0 (±0 %)	1,354 kB
java.util.HashMap\$Node[]	14,171	+7,137 (+101 %)	915 kB
int[]	12,349	+6,883 (+126 %)	2,213 kB
java.util.LinkedHashMap	11,131	+3,653 (+49 %)	623 kB
java.lang.Class	10,493	+10 (+0 %)	1,170 kB
java.util.ArrayList	9,240	+4,431 (+92 %)	221 kB
java.nio.HeapByteBuffer	9,181	+9,154 (+33904 %)	440 kB
java.lang.reflect.Constructor	7,263	+5,831 (+407 %)	581 kB
org.springframework.transaction.interceptor.Ab...	7,226	0 (±0 %)	173 kB
java.lang.Class\$AnnotationData	7,032	0 (±0 %)	168 kB
com.mysql.cj.protocol.a.NativePacketPayload	6,763	+6,742 (+32105 %)	162 kB
com.mysql.cj.protocol.a.NativePacketHeader	6,719	+6,719 (+Inf %)	107 kB
org.apache.ibatis.reflection.MetaObject	6,115	+6,115 (+Inf %)	195 kB
java.util.LinkedHashMap\$LinkedKeyIterator	6,013	+6,003 (+60030 %)	192 kB
org.apache.ibatis.reflection.MetaClass	5,763	+5,763 (+Inf %)	138 kB
org.apache.ibatis.reflection.wrapper.BeanWrapp...	5,763	+5,763 (+Inf %)	138 kB
java.lang.String[]	5,715	+1,789 (+46 %)	210 kB
com.mysql.cj.protocol.a.result.TextBufferRow	5,669	+5,669 (+Inf %)	272 kB
java.lang.management.MemoryUsage	5,652	+5,646 (+94100 %)	271 kB
java.util.TreeMap\$Entry	5,642	+3,278 (+139 %)	225 kB
Total:	1,321,314	+897,961 (+212 %)	56,501 kB

Q Class View Filters

1 overhead hot spot1 active recordingAuto-update 2 sVM #130:46Profiling

Local attach - JProfiler 11.1

SessionViewProfilingWindowHelp

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Show Graph

Analyze

SessionProfilingView specific

Telemetries

Live memory

Heap Walker

CPU views

Call Tree

Hot Spots

Call Graph

Outlier Detection

Complexity Analysis

Call Tracer

JavaScript XHR

Threads

Monitors & locks

Databases

JEE & Probes

Thread selection: All thread groups

Aggregation level: Methods

Thread status: Runnable

View mode: Tree

100.0% - 2,340 ms - 10 inv. org.apache.tomcat.util.threads.TaskThread\$WrappingRunnable.run

> 14.3% - 101 ms - 22 inv. HTTP: /api/admin/find/password

> 13.5% - 82,408 μs - 11 inv. HTTP: /api/admin/register

> 12.7% - 63,206 μs - 22 inv. HTTP: /api/user/find/password

> 12.5% - 57,399 μs - 11 inv. HTTP: /api/rental/query/userId

> 12.3% - 52,995 μs - 11 inv. HTTP: /api/user/query/accountNumber/221701429

> 12.2% - 50,965 μs - 11 inv. HTTP: /api/admin/query/id/6

> 12.1% - 49,382 μs - 11 inv. HTTP: /api/user/login

> 12.1% - 49,216 μs - 11 inv. HTTP: /api/admin/login

> 12.1% - 48,818 μs - 11 inv. HTTP: /api/rental/insert

> 12.0% - 47,103 μs - 11 inv. HTTP: /api/user/register

> 12.0% - 46,344 μs - 11 inv. HTTP: /api/lost_and_found/query/like/label

> 12.0% - 45,721 μs - 11 inv. HTTP: /api/user/update

> 1.9% - 44,890 μs - 11 inv. HTTP: /api/user/query/id/16

> 1.9% - 44,582 μs - 11 inv. HTTP: /api/admin/query/accountNumber/221701429

> 1.9% - 44,299 μs - 11 inv. HTTP: /api/lost_and_found/query/userId

> 1.8% - 43,109 μs - 11 inv. HTTP: /api/lost_and_found/query/like/title

> 1.8% - 42,582 μs - 11 inv. HTTP: /api/lost_and_found/insert

> 1.8% - 42,447 μs - 11 inv. HTTP: /api/admin/delete

> 1.8% - 41,889 μs - 11 inv. HTTP: /api/user/delete

> 1.8% - 41,858 μs - 11 inv. HTTP: /api/admin/update

> 1.8% - 41,397 μs - 11 inv. HTTP: //api/lost_and_found/update/thumbUp

> 1.8% - 41,176 μs - 11 inv. HTTP: /api/rental/query/like/title

> 1.8% - 41,009 μs - 11 inv. HTTP: /api/rental/query/like/content

> 1.7% - 40,496 μs - 11 inv. HTTP: /api/lost_and_found/query/id

> 1.7% - 40,453 μs - 11 inv. HTTP: /api/rental/delete

> 1.7% - 40,440 μs - 11 inv. HTTP: /api/lost_and_found/query/like/content

> 1.7% - 40,406 μs - 11 inv. HTTP: /api/rental/update/isDone

> 1.7% - 39,194 μs - 11 inv. HTTP: /api/rental/update/thumbUp

> 1.7% - 38,627 μs - 11 inv. HTTP: /api/rental/query/like/label

> 1.6% - 38,588 μs - 11 inv. HTTP: /api/lost_and_found/query/all

> 1.6% - 37,377 μs - 11 inv. HTTP: /api/rental/rent

> 1.6% - 37,261 μs - 11 inv. HTTP: /api/lost_and_found/update/isDone

Q Call Tree View Filters

1 active recording

Auto-update 5 s

VM #1

22:19

Profiling

Local attach - JProfiler 11.1

SessionViewProfilingWindowHelp

Start Center

Detach

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Start Recordings

Stop Recordings

Start Tracking

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MBeans

Aggregation level: Classes

Name	Instance Count	Difference	Size
char[]	261,289	+177,913 (+213 %)	25,120 kB
java.lang.String	160,632	+87,615 (+120 %)	3,855 kB
java.lang.Class[]	129,650	+100,975 (+352 %)	2,266 kB
java.lang.Object[]	82,495	+66,797 (+426 %)	2,608 kB
byte[]	56,463	+45,736 (+426 %)	7,972 kB
java.util.HashMap\$Node	43,635	+23,355 (+115 %)	1,396 kB
java.util.concurrent.ConcurrentHashMap\$Node	37,569	+7,358 (+24 %)	1,202 kB
java.util.HashMap\$Node[]	32,783	+23,081 (+238 %)	1,883 kB
int[]	31,047	+22,941 (+283 %)	11,911 kB
java.util.LinkedHashMap\$Entry	30,892	+11,481 (+59 %)	1,235 kB
java.util.HashMap	28,181	+23,311 (+479 %)	1,352 kB
java.util.ArrayList	26,997	+19,739 (+272 %)	647 kB
java.util.ArrayList\$Itr	23,622	+20,353 (+623 %)	755 kB
java.lang.reflect.Method	21,945	0 (±0 %)	1,931 kB
java.util.LinkedHashMap\$LinkedKeyIterator	21,835	+19,841 (+995 %)	698 kB
java.lang.Object	21,818	+2,345 (+12 %)	349 kB
java.lang.StringBuilder	21,264	+19,359 (+1016 %)	510 kB
java.util.LinkedHashMap	20,925	+11,890 (+132 %)	1,171 kB
java.util.Collections\$UnmodifiableCollection\$1	20,202	+18,137 (+878 %)	484 kB
org.apache.ibatis.reflection.property.PropertyTo...	14,051	+12,467 (+787 %)	449 kB
java.nio.HeapByteBuffer	13,641	+12,428 (+1025 %)	654 kB
com.mysql.cj.util.LazyString	13,467	+12,240 (+998 %)	430 kB
java.lang.Integer	11,880	+10,415 (+711 %)	190 kB
java.util.LinkedHashMap\$LinkedValueIterator	11,231	+10,210 (+1000 %)	359 kB
java.lang.String[]	10,522	+5,921 (+129 %)	386 kB
java.lang.Class	10,456	+52 (+0 %)	1,166 kB
java.lang.annotation.Annotation[]	9,933	+8,920 (+881 %)	297 kB
com.mysql.cj.result.StringValueFactory	9,658	+9,180 (+1921 %)	154 kB
java.util.regex.Matcher	9,372	+8,520 (+1000 %)	599 kB
java.util.TreeMap\$Entry	8,804	+5,611 (+176 %)	352 kB
java.util.HashSet	8,790	+7,310 (+494 %)	140 kB
java.util.LinkedHashSet	7,357	+3,990 (+119 %)	117 kB
org.springframework.transaction.interceptor.Ab...	7,226	0 (±0 %)	173 kB
java.lang.Class\$AnnotationData	7,076	0 (±0 %)	169 kB
Total:	1,610,564	+1,040,507 (+183 %)	86,546 kB

Q Class View Filters

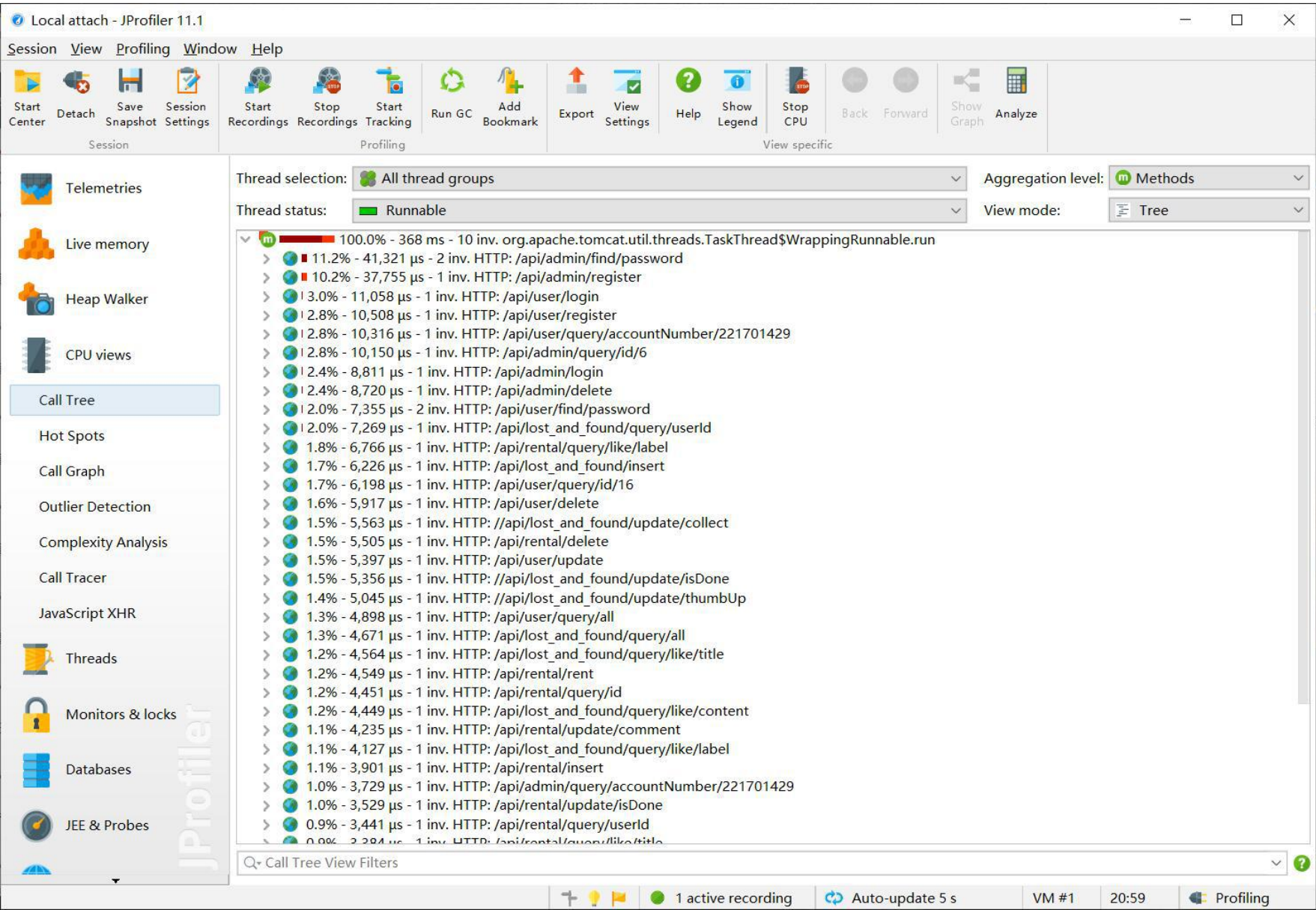
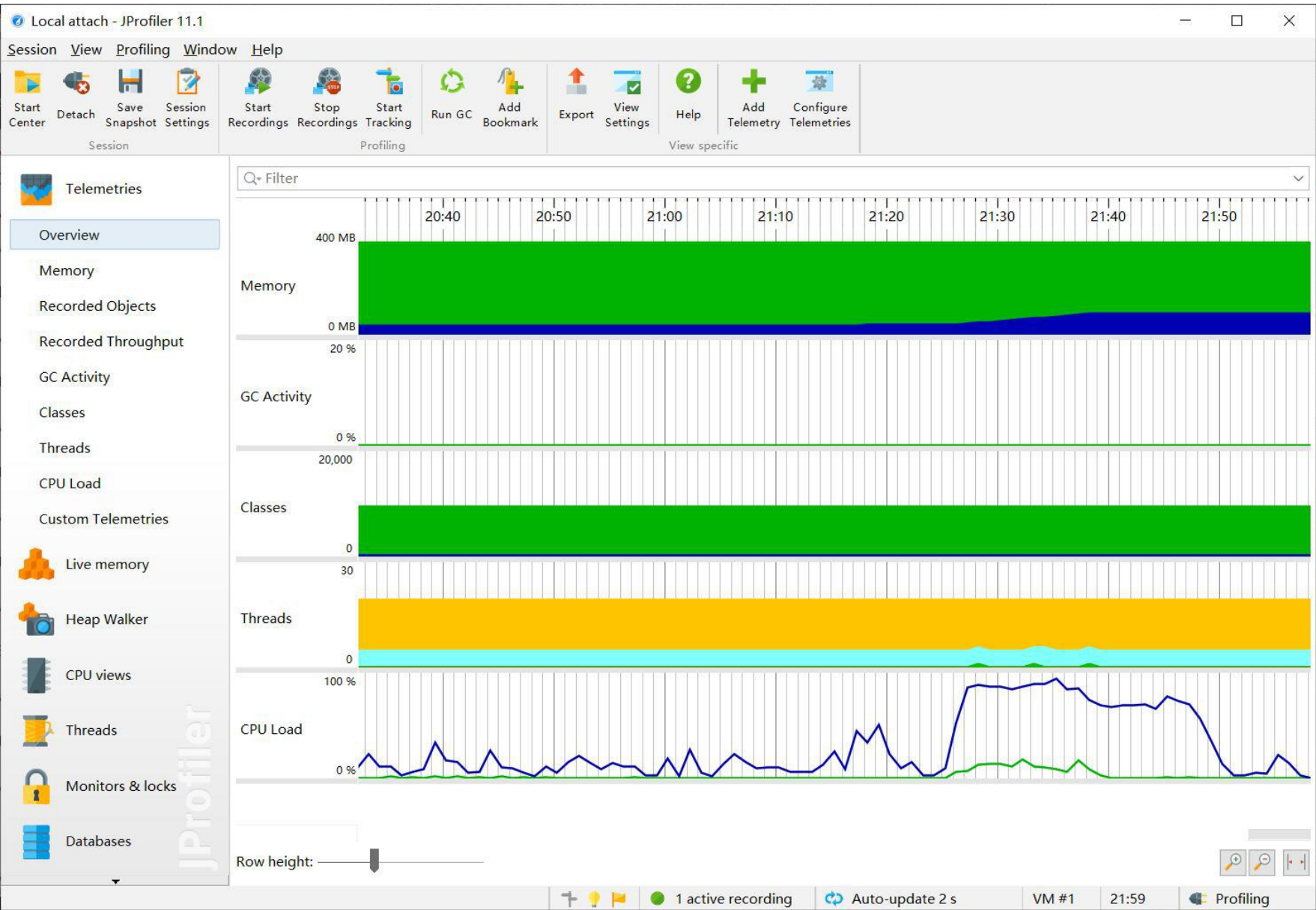
1 active recording

Auto-update 2 s

VM #1

22:10

Profiling



Local attach - JProfiler 11.1

SessionViewProfilingWindowHelp

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Aggregation level: Classes

Name	Instance Count	Size
char[]	83,322	10,707 kB
java.lang.String	73,008	1,752 kB
java.util.concurrent.ConcurrentHashMap\$Node	30,211	966 kB
java.lang.Class[]	28,675	574 kB
java.lang.reflect.Method	21,945	1,931 kB
java.util.HashMap\$Node	20,280	648 kB
java.util.LinkedHashMap\$Entry	19,411	776 kB
java.lang.Object	19,281	308 kB
java.lang.Object[]	15,698	754 kB
byte[]	10,670	2,023 kB
java.lang.Class	10,404	1,161 kB
java.util.HashMap\$Node[]	9,702	691 kB
java.util.LinkedHashMap	9,035	505 kB
int[]	8,106	6,593 kB
java.util.ArrayList	7,258	174 kB
org.springframework.transaction.interceptor.AbstractFallbac...	7,226	173 kB
java.lang.Class\$AnnotationData	7,076	169 kB
java.util.HashMap	4,867	233 kB
java.lang.String[]	4,601	171 kB
java.util.LinkedHashSet	3,367	53,872 bytes
java.util.LinkedList	3,278	104 kB
java.util.ArrayList\$Itr	3,197	102 kB
java.util.TreeMap\$Entry	3,193	127 kB
java.lang.reflect.Field	2,956	212 kB
java.lang.ref.SoftReference	2,708	108 kB
java.util.LinkedList\$Node	2,637	63,288 bytes
java.beans.MethodRef	2,451	58,824 bytes
java.lang.ref.WeakReference	2,333	74,656 bytes
java.util.LinkedHashMap\$LinkedKeySet	2,203	35,248 bytes
org.springframework.core.annotation.AnnotationUtils\$Defaul...	2,163	34,608 bytes
java.util.Hashtable\$Entry	2,143	68,576 bytes
java.lang.reflect.Constructor	2,132	170 kB
java.util.Collections\$UnmodifiableCollection\$1	2,041	48,984 bytes
java.util.LinkedHashMap\$LinkedKeyIterator	1,994	63,808 bytes
Total:	569,505	36,699 kB

Class View Filters

1 active recording

Auto-update 2 s

VM #1

20:38

Profiling