

摘要

该文档主要为代码的部分说明，以及部分测试报告。

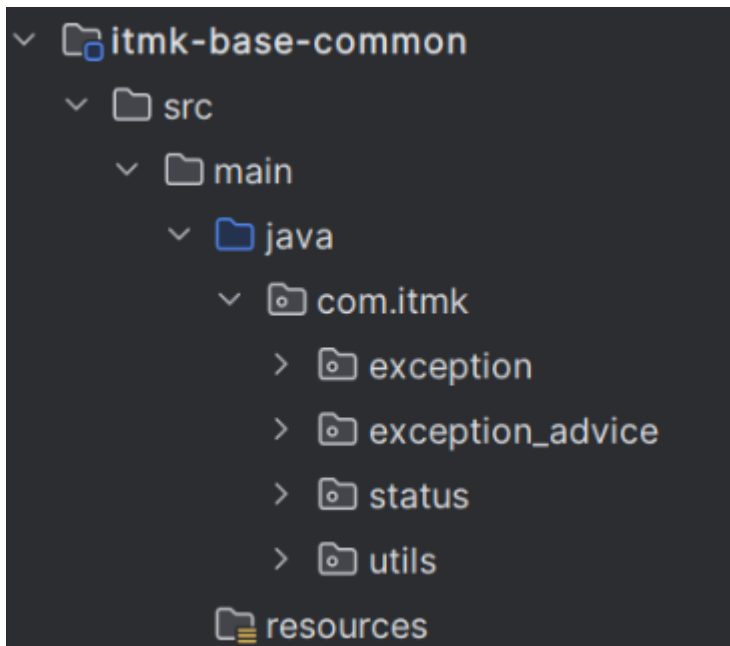
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基础的代码分块

- 在parent里面总共有common和web两部分
 - common

一些基础的异常处理

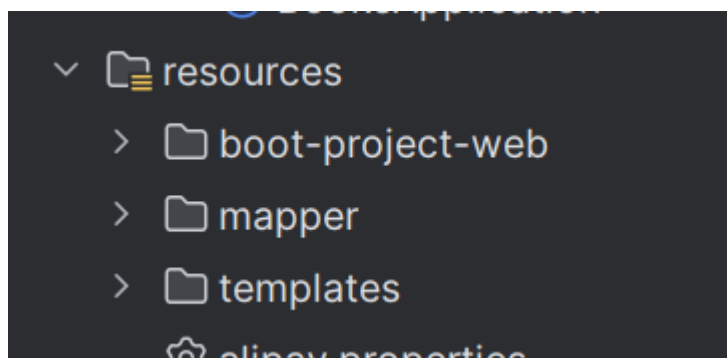
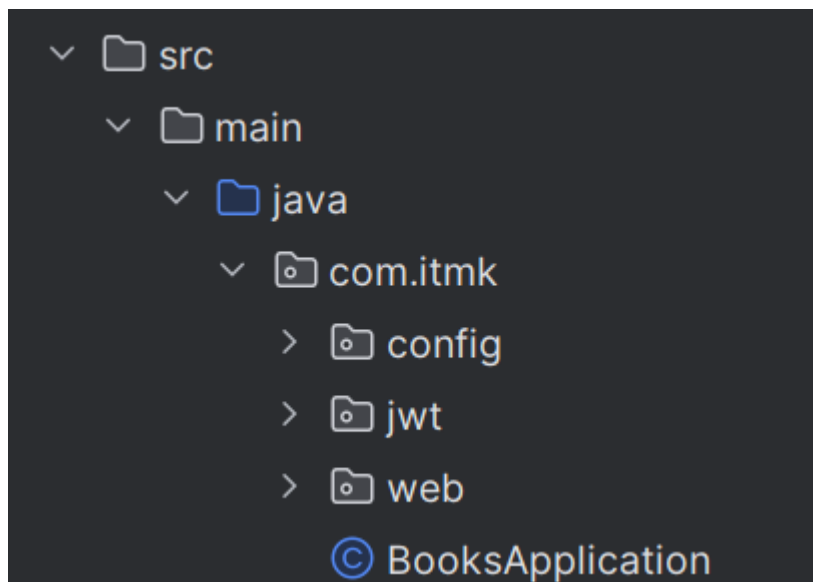


其中有自定义的业务异常拦截状态，也有未知异常运行拦截

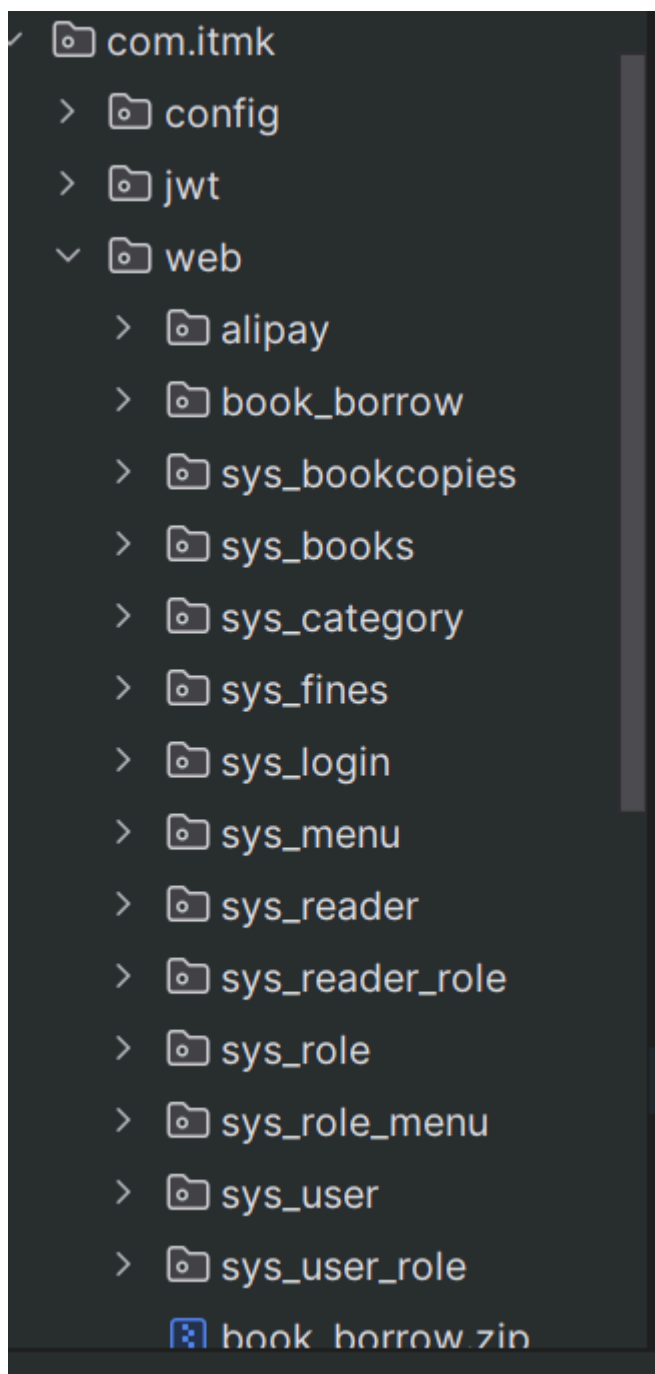
//状态码对应的异常情况

```
public class StatusCode {  
    //返回成功  
    public static final int SUCCESS_CODE = 200;  
    //错误状态码  
    public static final int ERROR_CODE = 500;  
    //无权限  
    public static final int NO_LOGIN = 600;  
    public static final int NO_AUTH = 700;  
}
```

- web里面主要为后端和前端代码



主要实现的功能模块如下：



系统功能测试

该系统实现的功能主要有：

- 系统使用人员的增删改查；
- 书籍的增删改查；
- 对书籍的借阅、归还、以及丢失/破损的处罚和交款；
- 以及对所有模块展示的管理和数据的可视化版面；

以下为相关对应功能的截图：

- part 1 系统使用人员的增删改查

please enter role name

+ add

role name	role type	role remark	operation
Librarian	librarian	Librarian	<div><div><i>edit</i></div><div>delete</div><div><i>assign</i></div></div>
Member	member	Member	<div><div><i>edit</i></div><div>delete</div><div><i>assign</i></div></div>

- part 2 书籍的增删改查；
此处为级联删除

select category

enter book name

enter author

select floor

select shelf

+ add

ISBN	book name	category	floor	shelf	author	press	price	stock	operation
9781593278885	C++ Crash Course	Computer Technology	1	1	Joshua Lospinoso	No Starch Press	59.95	8	<div><div><i>edit</i></div><div>delete</div><div>Code</div></div>
9787111227090	计算机程序设计艺术（第1卷 英文版·第3版）	Computer Technology	2	2	高德纳	机械工业出版社	95	5	<div><div><i>edit</i></div><div>delete</div><div>Code</div></div>
9787121088087	Java程序设计教程	Computer Technology	2	2	Loftus William Lewis John	电子工业出版社	85	4	<div><div><i>edit</i></div><div>delete</div><div>Code</div></div>

please enter category

+ add

category	order number	operation
Computer Technology	1	<div><div><i>edit</i></div><div>delete</div></div>
Digital Information	2	<div><div><i>edit</i></div><div>delete</div></div>
Chemical	3	<div><div><i>edit</i></div><div>delete</div></div>
Language Study	4	<div><div><i>edit</i></div><div>delete</div></div>
Literature	5	<div><div><i>edit</i></div><div>delete</div></div>
Management	6	<div><div><i>edit</i></div><div>delete</div></div>
自然学科	111223	<div><div><i>edit</i></div><div>delete</div></div>

Total 7

10/page

< 1 >

Go to 1



(通过扫描条形码入库和出库)

- 对书籍的借阅、归还、

select category

▼

enter book name

enter author

select floor

▼

select shelf

▼

× reset

☑ borrow

ISBN	book name	category	floor	shelf	author	press	price	stock	operation
9781593278885	C++ Crash Course	Computer Technology	1	1	Joshua Lospinoso	No Starch Press	59.95	8	<div>☑ borrow</div>
9787111227090	计算机程序设计艺术 (第1卷 英文版·第3版)	Computer Technology	2	2	高德纳	机械工业出版社	95	5	<div>☑ borrow</div>
9787121088087	Java程序设计教程	Computer Technology	2	2	Loftus William Lewis John	电子工业出版社	85	4	<div>☑ borrow</div>

home page

information ×

role control ×

menu control ×

book list ×

book category ×

borrow control ×

● return control ×

student ID

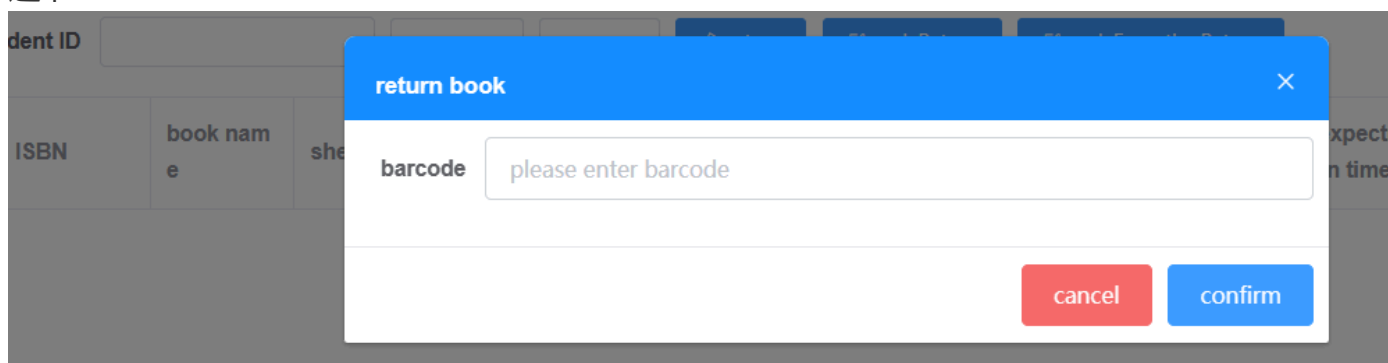
🔍 return

📄 codeReturn

📄 codeExceptionReturn

<input type="checkbox"/>	ISBN	book name	shelf	studentID	member name	class	phone	borrow time	remain days	expect return time	barcode	operation

还书:



以及所有历史信息，包括取消以及其他情况的

student ID

member

book

borrow status

Expiration Status

<input type="checkbox"/>	book name	shelf	student ID	member	class	phone	borrow time	remain days	return time	barcode	borrow status	expiration status	operation
<input type="checkbox"/>	C++ Crash Course	1					2024-06-04 23:30:03	9		9781593278885-9	reserving	not expired	Code
<input type="checkbox"/>	C++ Crash Course	1	21009201176	stu2	52	...	2022-05-26 00:01:53	-731	2024-06-04 23:30:22	9781593278885-10	exception	expire	Code

丢失/破损的处罚和交款

1.

student ID

2

百度

天猫

萤火虫惠聚

Gmail

YouTube

地图

9787111227090	计算机程序设计艺术 (第1卷 英文版 · 第3版)	Computer Technology	2	2	高德纳	机械工业出版社	95	5	<div>2.</div> <div>borrow</div>
---------------	---------------------------	---------------------	---	---	-----	---------	----	---	---------------------------------

borrowId

username

bookName

barcode

fineFee

fine Type

fineStatus

在return这块填写即可

student ID

ISBN

book name

shelf

exception return book

barcode

please enter barcode

* exception type

please select

* remark

cancel

confirm

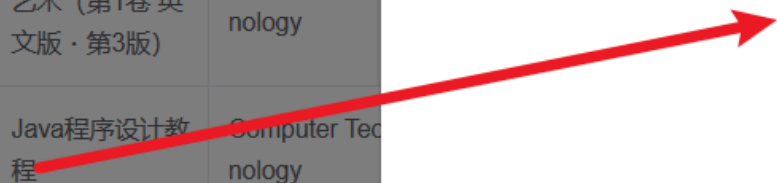
No Data

9787121088087 -1

1593278885	C++ Crash Course	Computer Technology
7111227090	计算机程序设计艺术 (第1卷 英文版 · 第3版)	Computer Technology
7121088087	Java程序设计教程	Computer Technology



9787121088087 -1



exception return book

barcode

9787121088087 -1

* exception type

lost

* remark

不小心丢了

cancel

confirm

2024-06-05 00:24:01	10	2024-06-15 00:24:01	9787121088087 -3	<div>return</div> <div>can't return</div> <div>Code</div>
2024-06-0		2024-06-1	97871210	

Java程序设计教程	2					2024-06-05 00:29:32	10		9787121088087 -2	reserving	not expired ...	🔗 Code
Java程序设计教程	2					2024-06-05 00:24:01	10		9787121088087 -3	reserving	not expired ...	🔗 Code
Java程序设计教程	2					2024-06-05 00:22:44	10		9787121088087 -4	reserving	not expired ...	🔗 Code
计算机程序设计艺术（第1卷英文版·第3版）	2					2024-06-05 00:19:42	10	2024-06-05 00:38:26	9787111227090 -5	exception	not expired ...	🔗 Code
C++ Crash Course	1					2024-06-04 23:30:03	9	2024-06-05 00:39:14	9781593278885-9	exception	not expired ...	🔗 Code
C++ Crash Course	1	21009201176	stu2	52	...	2022-05-26 00:01:53	-731	2024-06-04 23:30:22	9781593278885-10	exception	expire	🔗 Code

当然看起来有点混乱，大致过程就是：
借书->发现书丢了->先还书，然后在还书这里填写未能归还的情况

1. 点击保留该书籍

2. 点击take即可借走

3. 还书的时候，点击还不了

4. 填写信息，并确认

Cannot reserve when fine not paid!

如果不还钱就不能再借书

这个时候就去交罚款就好了

dashboard

system control

member control

book control

BR control

fine

fine pay

student ID

please enter student ID

fine type

please select

fine status

please select

borrowId	username	bookName	barcode	fineFee	fine Type	fine Status
72	21009201176	C++ Crash Course	9781593278885-10	59.95	damaged or lost	paid

mysql

performance_schema

reading

sakila

school_database

sys

tourbooking

vue-books-project

表

borrow_book

sys_bookcop

sys_books

sys_category

sys_fines

sys_menu

fine_id	borrow_id	fine_type	fine_fee	pay_time	fine_status
7	72	1	59.95	2024-06-04 23:41	1
8	74	1	95.00	(Null)	0
9	73	1	59.95	(Null)	0
10	73	1	59.95	(Null)	0
11	78	1	85.00	(Null)	0
12	76	1	85.00	(Null)	0
13	77	1	85.00	(Null)	0
14	83	1	95.00	(Null)	0
15	83	1	95.00	(Null)	0
16	79	1	95.00	(Null)	0
17	82	1	59.95	(Null)	0
18	86	1	95.00	(Null)	0
19	90	1	95.00	(Null)	0

罚款的表

- 以及对所有模块展示的管理和数据的可视化版面

1.

role control

menu control

member control

book control

BR control

fine

menu name

look borrow

add

edit

delete

borrow look

borrow look

fine

pay fine

edit menu

menu type

directory

menu

button

parent menu

BR control

menu icon

el-icon-s-cooperation

router path

sys.borrowLookMember

permission field

sys.borrowLookMember

menu name

borrow look

router name

borrowLookMember

menu number

6

cancel

confirm

permission

sys.borrowLook.index

operation

edit

delete

edit

delete

edit

delete

edit

delete

edit

delete

edit

delete

edit

delete

edit

delete

edit

delete

edit

delete

数据统计：

- Dashboard
- Librarian Dashboard
- System Control
- Member Control
- Book Control
- RFID Control
- Report

