

Test Results: [Thursday 7:30 PM – Group 8]

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Postman Tests [Backend]:

Editing user:

The screenshot shows the Postman interface for a POST request. The URL is `http://localhost:8080/api/users/register ...`. The request body is in JSON format, containing the following data:

```
{
  "username": "test@hotmail.com",
  "fullName": "asdf",
  "password": "ujmyhn",
  "confirmPassword": "ujmyhn"
}
```

The response is a 201 Created status with the following JSON body:

```
{
  "id": 1,
  "username": "test@hotmail.com",
  "fullName": "asdf",
  "password": "$2a$10$ktBXayCpz3p5MrvdWgug0xas0YlZxt0z5nEOVEqB5yAZK1Z8jSk6",
  "confirmPassword": "",
  "create_At": "2021-09-18T07:52:42.258+00:00",
  "update_At": null
}
```

The interface also shows tabs for Params, Auth, Headers (8), Body, Pre-req, Tests, and Settings. The Body tab is selected, and the response is displayed in the bottom section with a 'Save Response' button.

PUT

http://localhost:8080/api/users/edit/1

Send

ParamsAuthHeaders (8)BodyPre-req. Tests SettingsCookies

rawJSONBeautify

```
1
2  ... "username": "estt@test.com",
3  ... "fullname": "asdfghjkl"
4
```

BodyCookiesHeaders (14)Test Results200 OK 55 ms 679 BSave Response

PrettyRawPreviewVisualizeJSON

```
1
2  "id": 1,
3  "username": "estt@test.com",
4  "fullName": "asdf",
5  "password": "$2a$10$kbtBXayCpr3p5MrvdWgug0xas0YlZxt0z5nE0VEqB5yAZK1Z8jSk6",
6  "confirmPassword": null,
7  "create_At": "2021-09-18T07:52:42.258+00:00",
8  "update_At": "2021-09-18T07:53:10.584+00:00"
9
```

PUT

http://localhost:8080/api/users/edit/1

Send

ParamsAuthHeaders (8)BodyPre-req. Tests SettingsCookies

rawJSONBeautify

```
1
2  ... "password": "asdfghjkl",
3  ... "confirmPassword": "asdfghjkl"
4
```

BodyCookiesHeaders (14)Test Results200 OK 79 ms 677 BSave Response

PrettyRawPreviewVisualizeJSON

```
1
2  "id": 1,
3  "username": "estt@test.com",
4  "fullName": "asdf",
5  "password": "$2a$10$YPkKV9llhzDStdjsjidF90cCq6SDaWvR.n1p20w0yF9BERSHoFnti",
6  "confirmPassword": "",
7  "create_At": "2021-09-18T07:52:42.258+00:00",
8  "update_At": "2021-09-18T07:53:35.302+00:00"
9
```

Editing Book:

POST

http://localhost:8080/api/books/add

Send

ParamsAuthHeaders (8)BodyPre-reqTestsSettingsCookies

rawJSONBeautify

```
1  {
2    "title": "ONAWEINVAWLIN",
3    "author": "qaz wsx",
4    "isbn": "1234567891234",
5    "category": "yhnb",
6    "description": "mnbvcd fghj"
7  }
```

BodyCookiesHeaders (5)Test Results201 Created409 ms351 BSave Response

PrettyRawPreviewVisualizeJSON

```
1  {
2    "id": 1,
3    "title": "ONAWEINVAWLIN",
4    "author": "qaz wsx",
5    "category": "yhnb",
6    "description": "mnbvcd fghj",
7    "created_At": "2021-09-18T08:02:23.867+00:00",
8    "updated_At": null,
9    "isbn": "1234567891234"
10 }
```

PUT

http://localhost:8080/api/books/edit/1

Send

ParamsAuthHeaders (8)BodyPre-reqTestsSettingsCookies

rawJSONBeautify

```
1  {
2    "author": "qwerty",
3    "isbn": "2222222222222"
4  }
```

BodyCookiesHeaders (5)Test Results200 OK9 ms372 BSave Response

PrettyRawPreviewVisualizeJSON

```
1  {
2    "id": 1,
3    "title": "ONAWEINVAWLIN",
4    "author": "qwerty",
5    "category": "yhnb",
6    "description": "mnbvcd fghj",
7    "created_At": "2021-09-18T08:03:20.647+00:00",
8    "updated_At": "2021-09-18T08:04:26.439+00:00",
9    "isbn": "2222222222222"
10 }
```

Blocking User:

POST <http://localhost:8080/api/users/register...> **Send**

Params Auth Headers (8) **Body** Pre-req. Tests Settings Cookies

raw JSON Beautify

```

1 {
2   "username": "test@hotmail.com",
3   "fullName": "asdf",
4   "password": "ujmyhn",
5   "confirmPassword": "ujmyhn"
6 }

```

Body Cookies Headers (14) Test Results 201 Created 490 ms 676 B Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "id": 1,
3   "username": "test@hotmail.com",
4   "fullName": "asdf",
5   "password": "$2a$10$Sip07.qNb8a2Y.KJlQ6KaeQ4TNNmGqc0M8g7/TcCeqAwQVRjikI0K",
6   "confirmPassword": "",
7   "status": "active",
8   "create_At": "2021-09-18T08:05:00.055+00:00",
9   "update_At": null
10 }

```

PUT <http://localhost:8080/api/users/ban/1> **Send**

Params Auth Headers (7) **Body** Pre-req. Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

POST <http://localhost:8080/api/users/login> **Send**

Params Auth Headers (8) **Body** Pre-req. Tests Settings Cookies

raw JSON Beautify

```

1 {
2   "username": "test@hotmail.com",
3   "password": "ujmyhn"
4 }

```

Body Cookies Headers (14) Test Results 403 Forbidden 517 ms 478 B Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "success": false,
3   "token": null
4 }

```

Contact Staff:

POST

http://localhost:8080/api/enquiries/submit

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

```

1  {
2    "name": "Jane",
3    "email": "Jane@test.com",
4    "subject": "asdf",
5    "message": "test"
6  }
```

Body

Cookies

Headers (14)

Test Results

201 Created

405 ms

526 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1  {
2    "id": 1,
3    "name": "Jane",
4    "email": "Jane@test.com",
5    "subject": "asdf",
6    "message": "test"
7  }
```

GET

http://localhost:8080/api/enquiries/1

Send

Params

Auth

Headers (6)

Body

Pre-req.

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (14)

Test Results

200 OK

31 ms

521 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1  {
2    "id": 1,
3    "name": "Jane",
4    "email": "Jane@test.com",
5    "subject": "asdf",
6    "message": "test"
7  }
```

GET

http://localhost:8080/api/enquiries/all

Send

Params

Auth

Headers (6)

Body

Pre-req.

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (14)

Test Results

200 OK

101 ms

603 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1  [
2    {
3      "id": 1,
4      "name": "Jane",
5      "email": "Jane@test.com",
6      "subject": "asdf",
7      "message": "test"
8    },
9    {
10     "id": 2,
11     "name": "John",
12     "email": "john@test.com",
13     "subject": "jkl",
14     "message": "test"
15   }
16 ]
```

Admin Dashboard:

POST

http://localhost:8080/api/users/register ...

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

```

1 {
2   "username": "test@hotmail.com",
3   "fullName": "asdf",
4   "password": "ujmyhn",
5   "confirmPassword": "ujmyhn"
6 }

```

Body

Cookies

Headers (14)

Test Results

201 Created 502 ms 683 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1 {
2   "id": 1,
3   "username": "test@hotmail.com",
4   "fullName": "asdf",
5   "password": "$2a$10$scr.Nx0zxhFGTE9cbFKaL60TVVN2WMI/moVK34k9mUjKajl6TJeVm",
6   "confirmPassword": "",
7   "accountType": "CUSTOMER",
8   "create_At": "2021-09-18T08:14:51.285+00:00",
9   "update_At": null
10 }

```

POST

http://localhost:8080/api/users/register ...

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

```

1 {
2   "username": "test2@test.com",
3   "fullName": "jkl",
4   "password": "qwertyui",
5   "confirmPassword": "qwertyui",
6   "accountType": "ADMIN"
7 }

```

Body

Cookies

Headers (14)

Test Results

201 Created 81 ms 677 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```

1 {
2   "id": 2,
3   "username": "test2@test.com",
4   "fullName": "jkl",
5   "password": "$2a$10$ScEpHe.R.1vFqYBgLiux6Qe2Atn6bZxxqVHnzc/3508HbcxMGfPYC",
6   "confirmPassword": "",
7   "accountType": "ADMIN",
8   "create_At": "2021-09-18T08:15:24.159+00:00",
9   "update_At": null
10 }

```

GET

http://localhost:8080/api/users/search?username=test@hotmail.com

Send

Params

Auth

Headers (6)

Body

Pre-req.

Tests

Settings

Cookies

raw

JSON

Beautify

1

Body

Cookies

Headers (14)

Test Results

200 OK 108 ms 680 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

"id": 1,

"username": "test@hotmail.com",

"fullName": "asdf",

"password": "\$2a\$10\$scr.Nx0zxhFGTE9cbFKaL50TVVN2wMI/moVK34k9mUikAjjl6TJeVm",

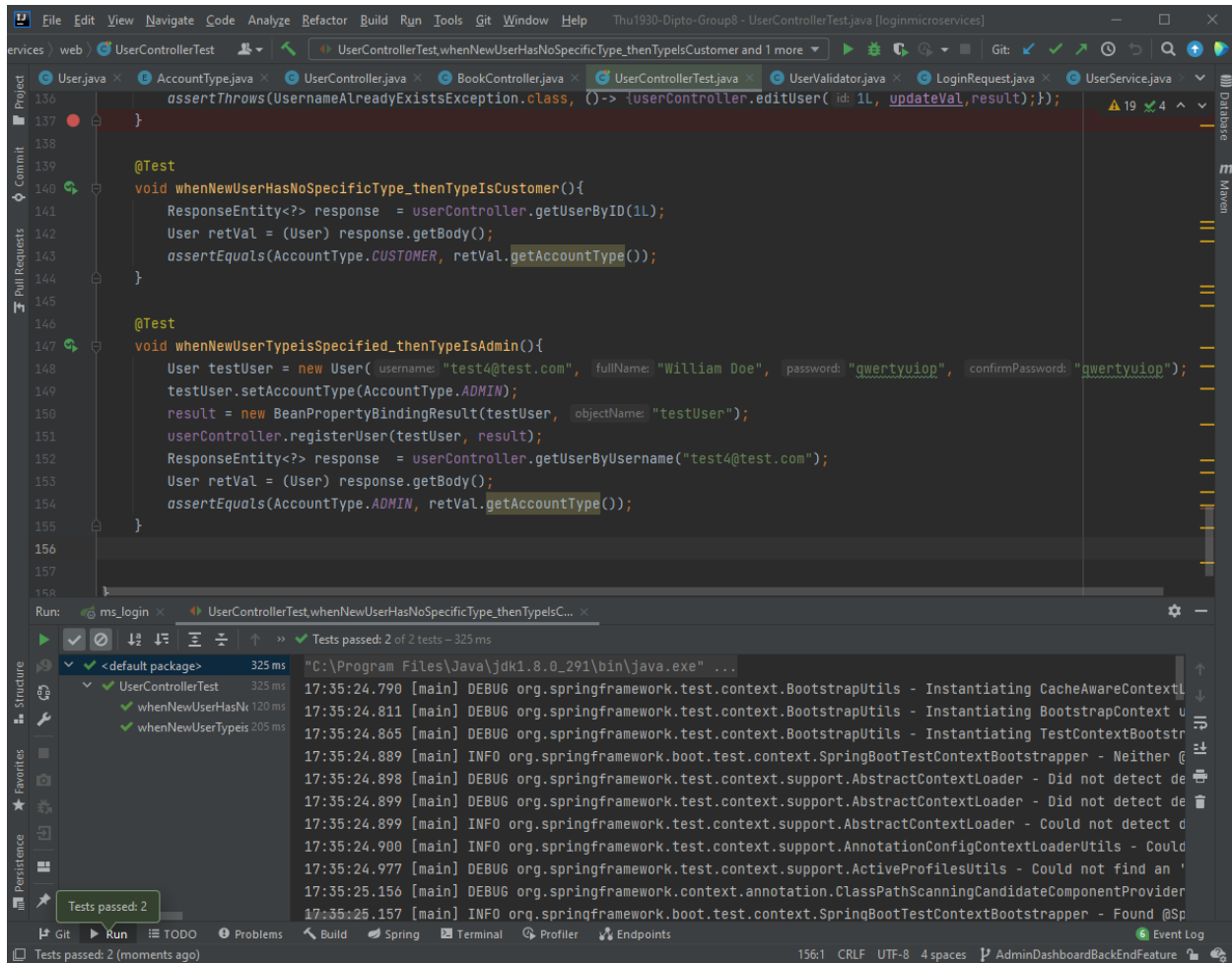
"confirmPassword": null,

"accountType": "CUSTOMER",

"create_At": "2021-09-18T08:14:51.285+00:00",

"update_At": null

Unit-Tests [Backend]: Admin Dashboard:



Contact Staff:

```

67
68
69 @Test
70 public void whenSubjectDoesNotExist_thenSubmitFails(){
71     Enquiry newEnq = new Enquiry( name: "jane", email: "jane@test.com", subject: null, message: "test message");
72     BindingResult result = new BeanPropertyBindingResult(newEnq, "newEnq");
73     enquiryController.submitEnquiry(newEnq, result);
74     Enquiry testResult = (Enquiry) enquiryController.getEnquiry( id: 1L).getBody();
75
76     assertNull(testResult);
77 }
78
79 @Test
80 public void whenMessageDoesNotExist_thenSubmitFails(){
81     Enquiry newEnq = new Enquiry( name: "jane", email: "jane@test.com", subject: "test subject", message: null);
82     BindingResult result = new BeanPropertyBindingResult(newEnq, "newEnq");
83     enquiryController.submitEnquiry(newEnq, result);
84     Enquiry testResult = (Enquiry) enquiryController.getEnquiry( id: 1L).getBody();
85
86     assertNull(testResult);
87 }
88
89 @Test
90 public void whenEnquiryBelongingToIDExists_thenDeleteSucceeds(){
91     Enquiry newEnq = new Enquiry( name: "Jim", email: "Jim@test.com", subject: "test subject", message: "test message");
92     BindingResult result = new BeanPropertyBindingResult(newEnq, "newEnq");
93     Enquiry retVal = (Enquiry) enquiryController.submitEnquiry(newEnq, result).getBody();
94     Enquiry testResult = (Enquiry) enquiryController.getEnquiry(retVal.getId()).getBody();
95     assertEquals(newEnq.getName(), testResult.getName());
96
97     enquiryController.deleteEnquiry(retVal.getId());
98     testResult = (Enquiry) enquiryController.getEnquiry(retVal.getId()).getBody();
99     assertNull(testResult);
100 }
101 }

```

Run: ms_login x EnquiryControllerTest x Tests passed: 7 of 7 tests - 266 ms

Test Results 266 ms

- EnquiryControllerTest 266 ms
 - whenEmailDoesNotExist 181 ms
 - whenSubjectDoesNotExist 14 ms
 - whenMessageDoesNotExist 5 ms
 - whenNameDoesNotExist 6 ms
 - whenEnquiryBelongingToIDExists 41 ms
 - whenEmailsNotCorrect 8 ms
 - whenAllFieldsAreFull 11 ms

17:24:27.016 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderDelegate from class [org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegate]

17:24:27.034 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using constructor [public org.springframework.test.context.support.DefaultBootstrapContext(java.lang.Class, org.springframework.test.context.CacheAwareContextLoaderDelegate)]

17:24:27.078 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper for [class org.springframework.test.context.support.AnnotationConfigContextLoaderUtils] using constructor [public org.springframework.test.context.support.AnnotationConfigContextLoaderUtils(java.lang.Class)]

17:24:27.104 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Neither @SpringBootTest nor @WebMvcTest found on class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils]. Using default test context [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils].

17:24:27.112 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default resource location [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils] for class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils].

17:24:27.113 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoader - Could not detect default resource location for class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils]. Using class path resource [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils.class].

17:24:27.114 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoader - Could not detect default resource location for class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils]. Using class path resource [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils.class].

17:24:27.182 [main] DEBUG org.springframework.test.context.support.ActiveProfilesUtils - Could not find an 'activeProfiles' attribute in class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils].

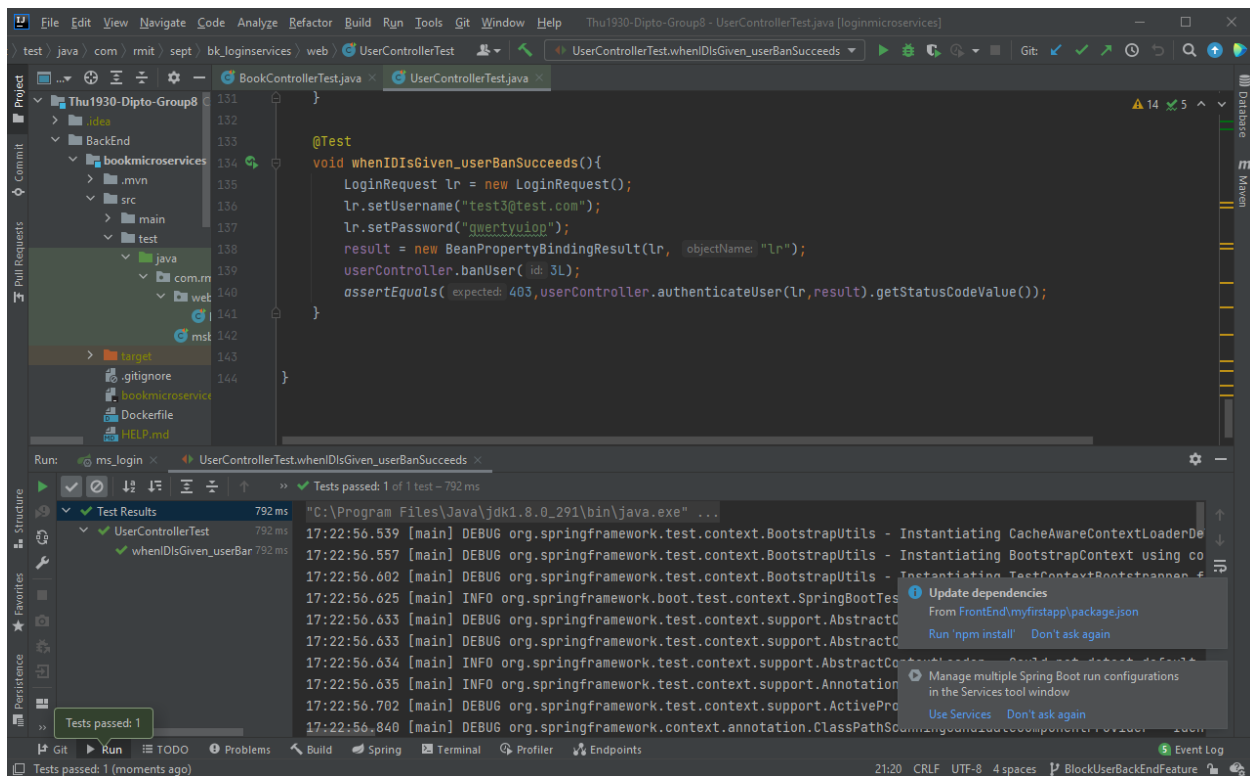
17:24:27.332 [main] DEBUG org.springframework.test.context.support.AnnotationConfigContextLoader - Could not detect default resource location for class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils]. Using class path resource [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils.class].

17:24:27.333 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Found @SpringBootTest on class [org.springframework.test.context.support.AnnotationConfigContextLoaderUtils].

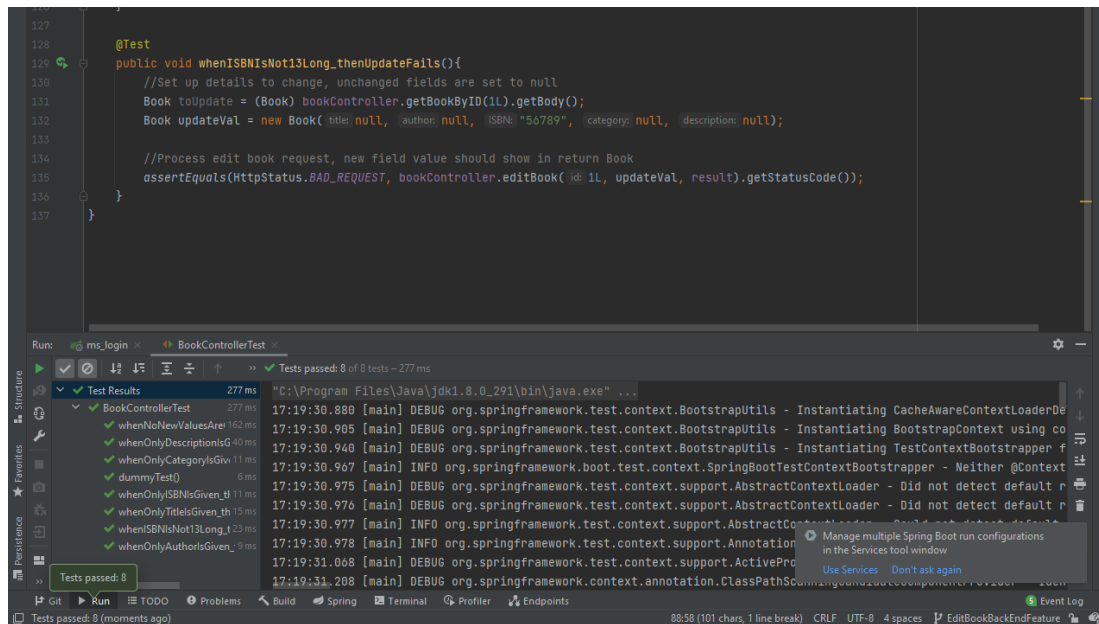
Tests passed: 7 (3 minutes ago)

57:1 CRLF UTF-8 4spaces ContactStaffBackendFeature Event Log

Block User:



Edit Book:



Edit User:

```

96
97
98 @Test
99 void whenUpdateHasNoConfirm_thenUpdateFails() {
100     ResponseEntity<?> response = userController.getUserById(2L);
101     User toUpdate = (User) response.getBody();
102     User updateVal = new User( username: null, fullName: null, password: "hyperPASSWORD", confirmPassword: null);
103
104     //Process edit user request, should fail update
105     response = userController.editUser( id: 2L, updateVal, result);
106     assertEquals(HttpStatus.BAD_REQUEST, response.getStatusCode());
107 }
108
109 @Test
110 void whenUsernameIsNotEmail_thenUpdateFails() {
111     ResponseEntity<?> response = userController.getUserById(1L);
112     User toUpdate = (User) response.getBody();
113     User updateVal = new User( username: "john", fullName: null, password: null, confirmPassword: null);
114
115     //Process edit user request, should fail update
116     assertEquals(HttpStatus.BAD_REQUEST, response.getStatusCode());
117 }
118
119 @Test
120 void whenUsernameBelongsToAnotherUser_thenUpdateFails() {
121     ResponseEntity<?> response = userController.getUserById(1L);
122     User toUpdate = (User) response.getBody();
123     User updateVal = new User( username: "test2@test.com", fullName: null, password: null, confirmPassword: null);
124
125     //Process edit user request, should fail update
126     assertEquals(HttpStatus.BAD_REQUEST, response.getStatusCode());
127 }
128
129 }
130

```

Run: ms_login x UserControllerTest x

Tests passed: 7 of 7 tests - 230 ms

Structure

- Test Results 230 ms
 - UserControllerTest 230 ms
 - whenUsernameBelongs 119 ms
 - whenOnlyPasswordsGiv 70 ms
 - whenPasswordsMismatch 9 ms
 - whenUpdateHasNoConfirm 5 ms
 - whenOnlyFullNamesGiv 7 ms
 - whenOnlyUsernamesGiv 9 ms
 - whenUsernamesNotEmi 12 ms

Tests passed: 7

17:17:03.211 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderDe
 17:17:03.237 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using co
 17:17:03.289 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper f
 17:17:03.312 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Neither @Context
 17:17:03.319 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default r
 17:17:03.320 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default r
 17:17:03.320 [main] INFO org.springframework.test.context.support.AbstractContextLoader - Did not detect default r
 17:17:03.321 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoader - Did not detect default r
 17:17:03.387 [main] DEBUG org.springframework.test.context.support.ActiveProfilesContextLoader - Did not detect default r
 17:17:03.538 [main] DEBUG org.springframework.test.context.annotation.ClassPathScanningContextBootstrapper - Did not detect default r

Manage multiple Spring Boot run configurations in the Services tool window
 Use Services Don't ask again

Git Run TODO Problems Build Spring Terminal Profiler Endpoints

Tests passed: 7 (moments ago)

21:20 CRLF UTF-8 4 spaces EditUserBackendFeature

Unit-Tests [Frontend]:

```

Test Suites: 1 passed, 1 total
Tests:      9 passed, 9 total
Snapshots: 0 total
Time:       7.134 s
Run all test suites related to changed files.

Watch Usage
  > Press a to run all tests.
  > Press f to run only failed tests.
  > Press q to quit watch mode.
  > Press p to filter by a filename regex pattern.
  > Press t to filter by a test name regex pattern.
  > Press Enter to trigger a test run.

```

```
PASS src/App.test.js (5.034 s)
✓ renders title (65 ms)
✓ renders cardgroup1 properly (38 ms)
✓ renders cardgroup2 properly (28 ms)
✓ renders getBookByAuthor title (100 ms)
✓ renders getBookByAuthor form properly (12 ms)
✓ renders Dog dashboard properly (11 ms)
✓ renders statistics dashboard properly (8 ms)
✓ renders addBook form properly (18 ms)
✓ renders register form properly (12 ms)

Test Suites: 1 passed, 1 total
Tests: 9 passed, 9 total
Snapshots: 0 total
Time: 6.537 s
Ran all test suites.
```

CI/CD Results:

CI/CD Latest Pipelines:

<div>joomy1776 s3523988</div> <div><div>Dashboard</div><div>Projects</div><div>Insights</div><div>Organization Settings</div><div>Plan</div></div>		Dashboard Project Branch		All Pipelines > Thu1930-Dipto-Group8 > develop			
		Thu1930-Dipto-Group8 Add team members		Edit Config Run Pipeline Project Settings			
		Filters		Everyone's Pipelines Thu1930-Dipto-Group8 develop		Auto-expand <input checked="" type="checkbox"/>	
Pipeline		Status	Workflow	Branch / Commit	Start	Duration	Actions
Thu1930-Dipto-Group8 33		Success	build	develop 6e82ee1 version 7	2d ago	8m 9s	Refresh Cancel More
		Jobs					
		✓ build-loginbackend-microservice 49				1m 33s	
		✓ build-frontend 48				3m 22s	
		✓ build-bookbackend-microservice 47				2m 28s	
Thu1930-Dipto-Group8 32		Failed	build	develop 4d2e7fa test final 16/09	2d ago	4m 31s	Refresh Cancel More

GitHub Results:

The screenshot shows the GitHub interface for a repository named 'joomy1776 / Thu1930-Dipto-Group8'. The repository is private and was forked from 's3813866/Thu1930-Dipto-Group8'. The main branch is 'develop'. The commit history for 'Sep 16, 2021' is displayed, showing four commits by 'joomy1776':

- version 7**: committed 2 days ago. Status: ✓. A message box indicates 'All checks have passed' with '3 successful checks'.
- test final 16/09**: committed 2 days ago. Status: ✗.
- test docker 1**: committed 2 days ago. Status: ✓.
- refactor test one**: committed 2 days ago. Status: ✗.

On the right, there are four CI build links with their respective commit hashes and status icons:

- [8e82ee1](#) (Status: ✓)
- [4d2e7fa](#) (Status: ✓)
- [2bab274](#) (Status: ✓)
- [928c991](#) (Status: ✓)

Login Backend Microservice:

The screenshot shows the GitHub Actions workflow page for the 'build-loginbackend-microservice' job. The workflow is successful, with a duration of 1m 32s. The job was executed on a 'Docker / Medium' environment. The workflow steps are listed below:

Step	Duration	Status
Spin up environment	3s	Success
Preparing environment variables	0s	Success
Checkout code	3s	Success
Setup a remote Docker engine	2s	Success
Restoring cache	3s	Success
mvn dependency go-offline	4s	Success
Saving cache	0s	Success
Build Docker image	54s	Success
mvn package	18s	Success
Uploading test results	0s	Success
Uploading artifacts	1s	Success

Book Backend Microservice:

The screenshot shows the GitHub Actions workflow page for the 'build-bookbackend-microservice' job. The workflow is successful, with a duration of 2m 28s. The job was executed on a 'Docker / Medium' environment. The workflow steps are listed below:

Step	Duration	Status
Spin up environment	50s	Success
Preparing environment variables	0s	Success
Checkout code	1s	Success
Setup a remote Docker engine	4s	Success
Restoring cache	4s	Success
mvn dependency go-offline	0s	Success
Saving cache	0s	Success
Build Docker image	53s	Success
mvn package	25s	Success
Uploading test results	0s	Success
Uploading artifacts	0s	Success

Frontend:

The screenshot shows a GitHub Actions workflow named 'build-frontend' in the 'develop' branch. The workflow is currently running on a 'self-hosted' runner. The 'STEPS' section lists the following steps:

Step Name	Duration
Spin up environment	3s
Preparing environment variables	0s
Checkout code	1s
Setup a remote Docker engine	7s
Restoring cache	3s
Install Dependencies	32s
Saving cache	0s
Build Docker Image (Frontend)	2m 33s

Positive-Negative Tests (Valid vs Invalid Input):

Add-Book (Positive):

Add Book

Confessions of a Mask

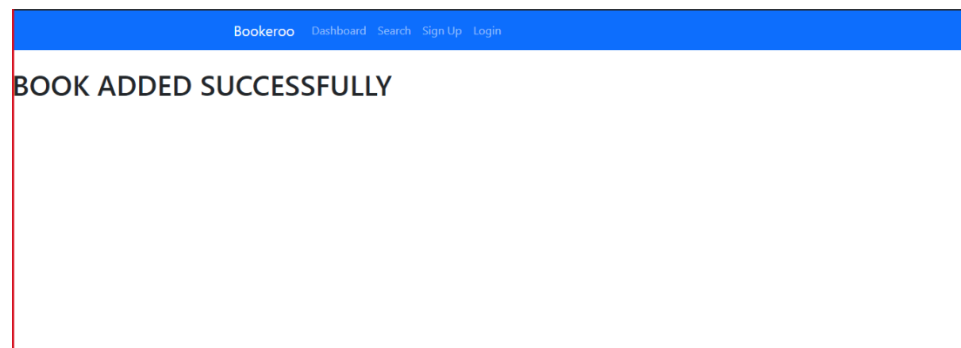
Yukio Mishima

Love

9780720620122

The enduring power of the novel is in part owing to its themes of fantasy, despair, and alienat

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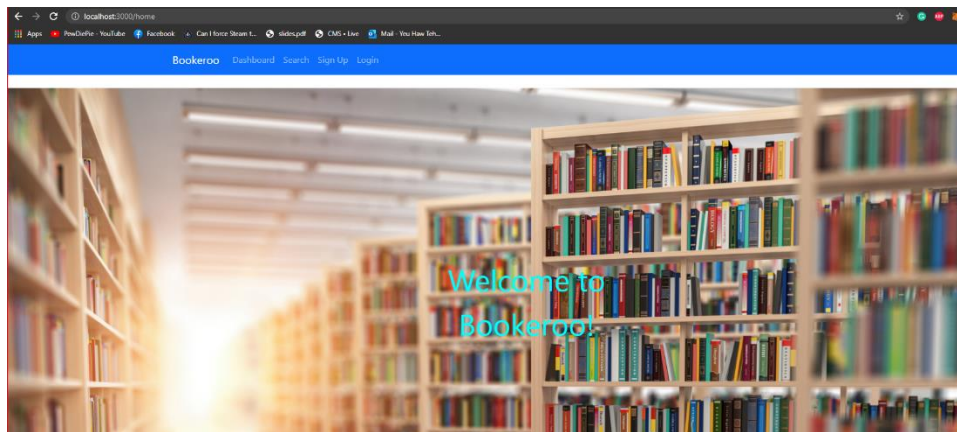
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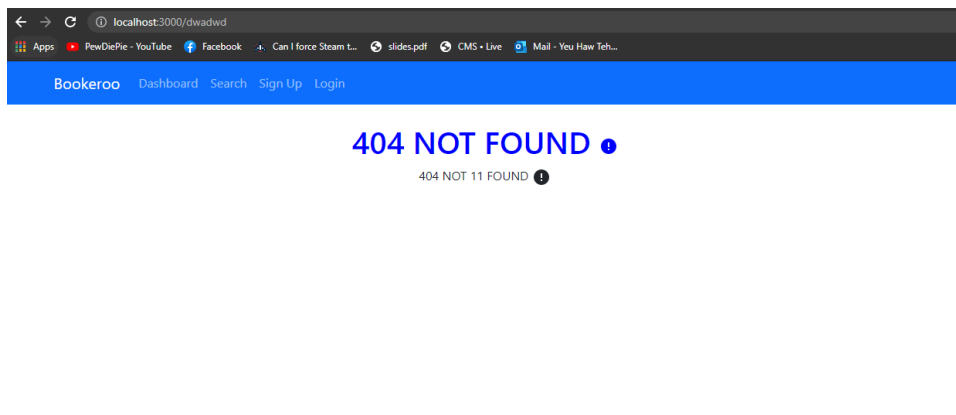
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