

## Test Cases

DODs:

Functional tests (based on ACs) passed

Code refactor (when needed)

Code peer-reviewed

Regression tests passed

Unit tests passed (code coverage 70%)

Approved by product owner

Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
1.1	PBI 1, AC 1.1	User already in home page	1. User click the "sign up" button 2. User enter email, account type, password and confirm the password by type it again.	Email: " <a href="mailto:1234567@qq.com">1234567@qq.com</a> " Password: "1234567" Account type: "doctor"	The account has been created with user's email and password with account type "doctor"	The account shows on the data base that created with user's email and password

Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
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2.1	PBI 2, AC 2.1	User already in home page	<ol style="list-style-type: none"> <li>1. User click the “sign up” button</li> <li>2. User enter email, account type, password and confirm the password by type it again.</li> </ol>	Email: “ <a href="mailto:1234567@qq.com">1234567@qq.com</a> ” Password: “1234567” Account type: “patient”	The account has been created with user’s email and password with account type “patient”	The account shows on the data base that created with user’s email and password
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Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
3.1	PBI 3, AC 3.1	The user has been registered and is on the login page	<ol style="list-style-type: none"> <li>1. Enter the correct user's email and password and click on Patient Login</li> <li>2. Access to the individual patient interface, including buttons for profile</li> </ol>	‘Patients Login’	Click on the Patient Login to go to the individual patient page	After the patient logging in with the correct password and email address, the patient profile page is displayed to the user.

Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
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3.2	PBI 3, AC 3.2	The user has been registered and is on the login page	1. Enter the correct user's email and password and click on doctor Login 2. Access to the individual doctor interface, including buttons for profile	'Doctor Login'	Click on the Doctor Login to go to the individual patient page	After the doctor logging in with the correct password and email, the doctor profile page is displayed to the user.
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Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
4.1	PBI 4, AC 4.1	User is on the patient homepage	1. Enter the correct user's email and password and click on Patient Login 2. Access to the individual patient interface, including buttons 'book an appointment' 'my records' for profile	N/A	User can see user own profile.	The patient logs in with their email password and is taken to the patient page including 'health condition', 'my appointments', 'Book an appointments', 'my records and other buttons.

Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
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5.1	PBI 5, AC 5.1	User in on the profile page	1. User enters some health information in the health information field 2.User clicks save button	"Cough"	"Cough" will be added in the health information field	"Cough" has been added to the health information field.
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Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
8.1	PBI 8, AC 8.1	User in on the health status page	1. User enters some health status in the health status field 2.User clicks save button	"Fever"	"Fever" will be added in the health status field	" Fever " has been added to the health status field.



Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
6.1	PBI 6, AC 6.1	User is already logged into his account and can see the appointment button on the home page,	1. Users click on the appointment button. 2. Users select a time to make an appointment with the doctor via the calendar and click to confirm the appointment	2022/9/30 00:00	Book successful on 2022/9/3 00:00	Book successful on 2022/9/3 00:00








Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
7.1	PBI 7, AC 7.1	Patient already in chat page	<ol style="list-style-type: none"> <li>1. Patient click input field</li> <li>2. Patient type some letters</li> <li>3. Patient click send button</li> </ol>	"Jira is the best software in the world"	The letters will be sent to the doctor.	The letters have been sent to the doctor.









Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
12.1	PBI 12, AC 12.1	User already in admin page	<ol style="list-style-type: none"> <li>1. User click the "Account Management" button</li> <li>2. User select an account from account list.</li> <li>3. User click delete button</li> </ol>		The account has been created with user's email and password with account type "patient"	The account shows on the data base that created with user's email and password.

Test Case ID	PBI.AC covered	Preconditions	Steps	Test data	Expected result	Actual result
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22.1	PBI 22, AC 22.1	The doctor is on the chat page	1. Doctor click input field 2. Doctor type some letters 3. Doctor click send button	"IntrllIJ IDEA is the best IDE in the world"	The letters will be sent to the patient.	The letters have been sent to the patient.
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Cover: UserProfileControllerTest  





Tests passed: 3 of 3 tests – 14 sec 130 ms

✓ UserProfileControllerTest 14 sec 130 ms

✓ change() 11 sec 817 ms

✓ delete() 2 sec 306 ms

✓ add() 7 ms

/Library/Java/JavaVirtualMachines/jdk-11.0.8.jdk/Contents/Home/bin/java ...

---- IntelliJ IDEA coverage runner ----

sampling ...

include patterns:

com\example\springbootbackend\controller\.\*

exclude patterns:

22:46:15.675 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderD

22:46:15.941 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using c


22:46:16.281 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper


22:46:16.389 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Neither @Contex


22:46:16.448 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default


22:46:16.452 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default


22:46:16.457 [main] INFO org.springframework.test.context.support.AbstractContextLoader - Could not detect default


 Version Control


 Cover


 TODO


 Problems


 Terminal


 Profiler

 Services

 Build

 Dependencies

 Spring

 Endpoints

ASH\_PROJECT-main > springboot\_backend > src > main > java > com > example > springbootbackend > controller > LoginController

Project

- Book
- LoginState
- User
  - service
  - serviceImpl
  - socket
  - utils
- SpringbootBackendAppli
  - resources
  - test
    - java
      - com.example.springbootbac
        - controller
          - BookControllerTest

controllerTest.java x LoginControllerTest.java x LoginController.java x

Coverage: LoginControllerTest

Element	Class, %	Metho...	Line, %
com.example.springbootb	100% (...)	17% (3/17)	23% (24/1...
BookController	100% (1...	0% (0/3)	6% (1/15)
RegisterController	100% (1...	0% (0/3)	3% (1/29)
UserProfileController	100% (1...	0% (0/3)	10% (1/10)
AdminController	100% (1...	0% (0/4)	6% (1/15)
LoginController	100% (1...	75% (3/4)	62% (20/...

3 usages

```
@RestController
@RequestMapping("/login")
public class LoginController {
    4 usages
    @Resource
    private UserService userService;
    3 usages
    @PostMapping("")
```

Cover: LoginControllerTest

Tests passed: 3 of 3 tests - 19 sec 873 ms

- LoginControllerTest 19 sec 873 ms
  - resetPassword() 8 sec 344 ms
  - sendEmail() 9 sec 452 ms
  - login() 2 sec 77 ms

/Library/Java/JavaVirtualMachines/jdk-11.0.8.jdk/Contents/Home/bin/java ...

---- IntelliJ IDEA coverage runner ----

sampling ...

include patterns:

com\\.example\\.springbootbackend\\.controller\\..\*

exclude patterns:

```
22:49:26.480 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderD
22:49:26.568 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using c
22:49:26.783 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper
22:49:26.858 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Neither @Contex
22:49:26.877 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default
22:49:26.879 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default
22:49:26.882 [main] INFO org.springframework.test.context.support.AbstractContextLoader - Could not detect default
22:49:26.911 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoaderUtils - Could not d
22:49:27.345 [main] DEBUG org.springframework.test.context.support.ActiveProfilesUtils - Could not find an 'annota
22:49:28.238 [main] DEBUG org.springframework.context.annotation.ClassPathScanningCandidateComponentProvider - Ide
```

Version Control Cover TODO Problems Terminal Profiler Services Build Dependencies Spring Endpoints

Tests passed: 3 (a minute ago)

20:14 LF UTF-8 4 spaces



IntelliJ IDEA interface showing a Spring Boot project named `springboot_backend`. The project structure includes `src/test/java/com/example/springbootbackend/controller`. The `BookControllerTest.java` file is open, showing the following code:

```
import ...

@SpringBootTest
public class BookControllerTest {

    2 usages
    @Resource
    private BookController bookController;

    1 usage
    @Resource
    private LoginController loginController;
```

The `Cover` tab is active, displaying test results for `BookControllerTest`. The tests passed are:

- `addAvailability()` 7 sec 521 ms
- `getBookList()` 3 sec 694 ms
- `book()` 4 sec 407 ms

The `Test Results` pane shows the following output:

```
/Library/Java/JavaVirtualMachines/jdk-11.0.8.jdk/Contents/Home/bin/java ...
---- IntelliJ IDEA coverage runner ----
sampling ...
include patterns:
com\.example\.springbootbackend\.controller\.*
exclude patterns:
22:52:05.826 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderD
22:52:05.965 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using c
22:52:06.047 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper
22:52:06.106 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Neither @Contex
22:52:06.118 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default
22:52:06.120 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default
22:52:06.121 [main] INFO org.springframework.test.context.support.AbstractContextLoader - Could not detect default
22:52:06.124 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoaderUtils - Could not d
22:52:06.442 [main] DEBUG org.springframework.test.context.support.ActiveProfilesUtils - Could not find an 'annota
22:52:06.993 [main] DEBUG org.springframework.context.annotation.ClassPathScanningCandidateComponentProvider - Ide
```

The bottom status bar indicates: Tests passed: 3 (moments ago) 15:14 LF UTF-8 4 spaces.