

Worly Backend Testing

Testers: Harsh Bali & Affiq Khairuddin

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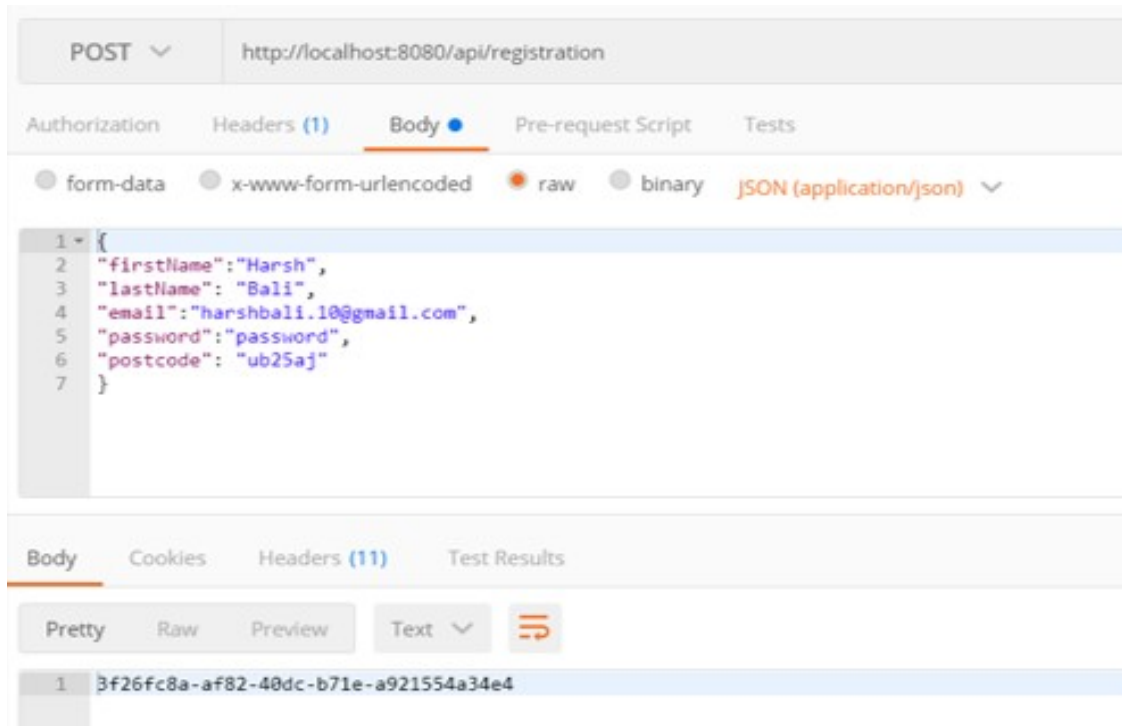
1. Test Plan

API Testing with integration	Test Name	Objectives	Passed	Proof + notes
APIT-01	Postman Registration	The objective of this test was to post user details and test if the token is returned.	✓	1.2 Note: Conducted in the early phase of implementation of this feature.
APIT-02	Postman login	The objective of this test is to post stored login details and check if HTML dashboard is returned.	✓	1.3
APIT-04	JUnit TestReturnContentOfUserSign()	Get request made to “api/sign” end point and it should return an HTML page as content type.	✓	1.4 Note: All these test cases are within one class.
APIT-05	JUnit TestReturnContentOfUserSignin()	Get request made to “api/sign/in” endpoint and it should return an HTML page as content type.	✓	
APIT-06	JUnit TestReturnContentOfUserForget())	Get request made to “api/sign/forget” end point and it should return an HTML page as content type.	✓	

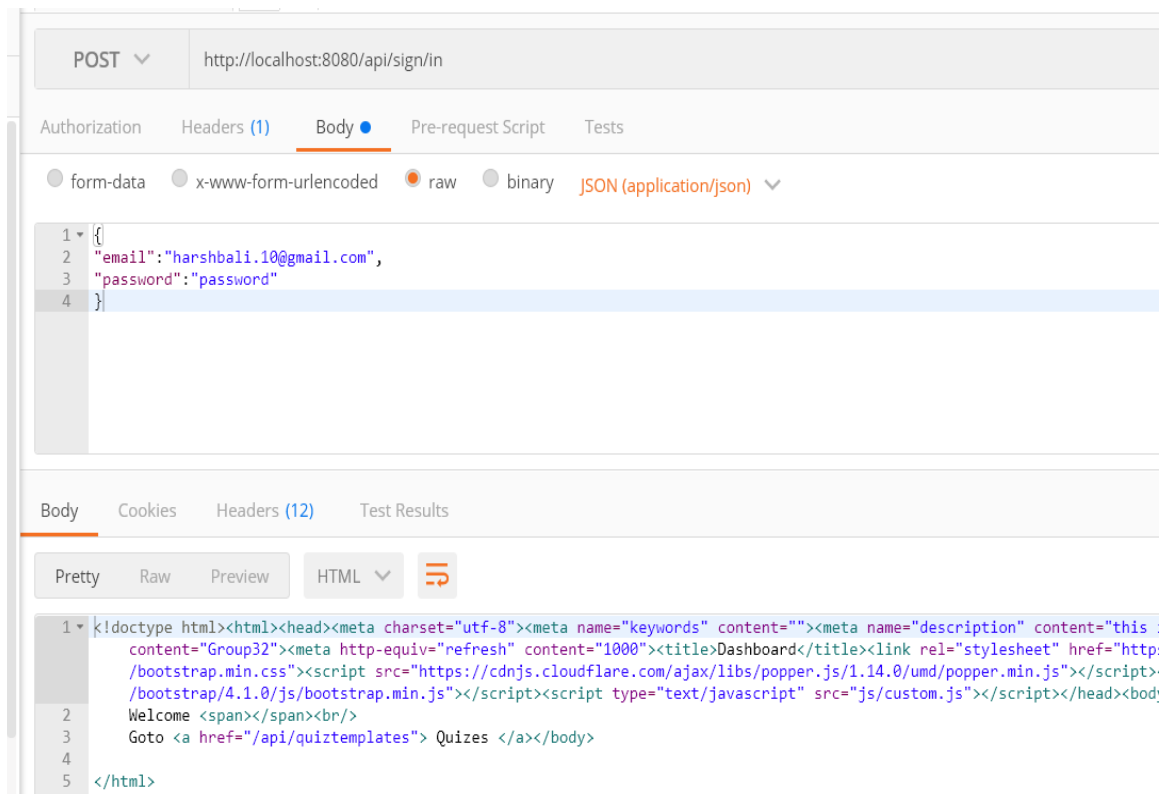
Repository testing	Test Name	Objectives	Passed	Proof
DATT-01	JUnit	The main objective is to test	✓	1.5

	TestFindByemail()	whether the user's data can be saved to the database and found from the database.		
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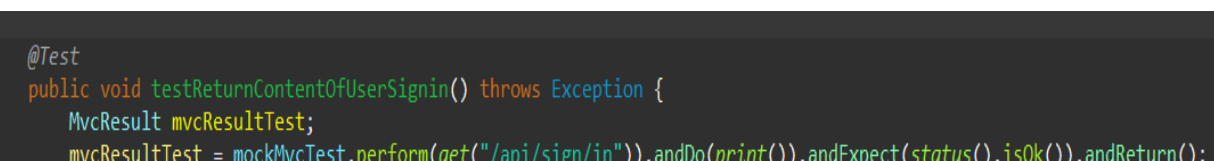
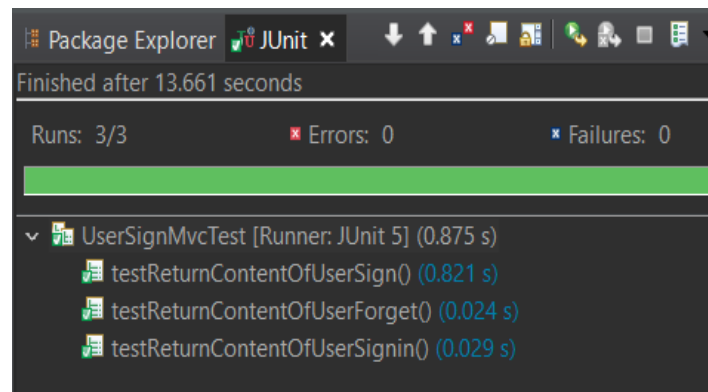
1.2 Postman for Registration



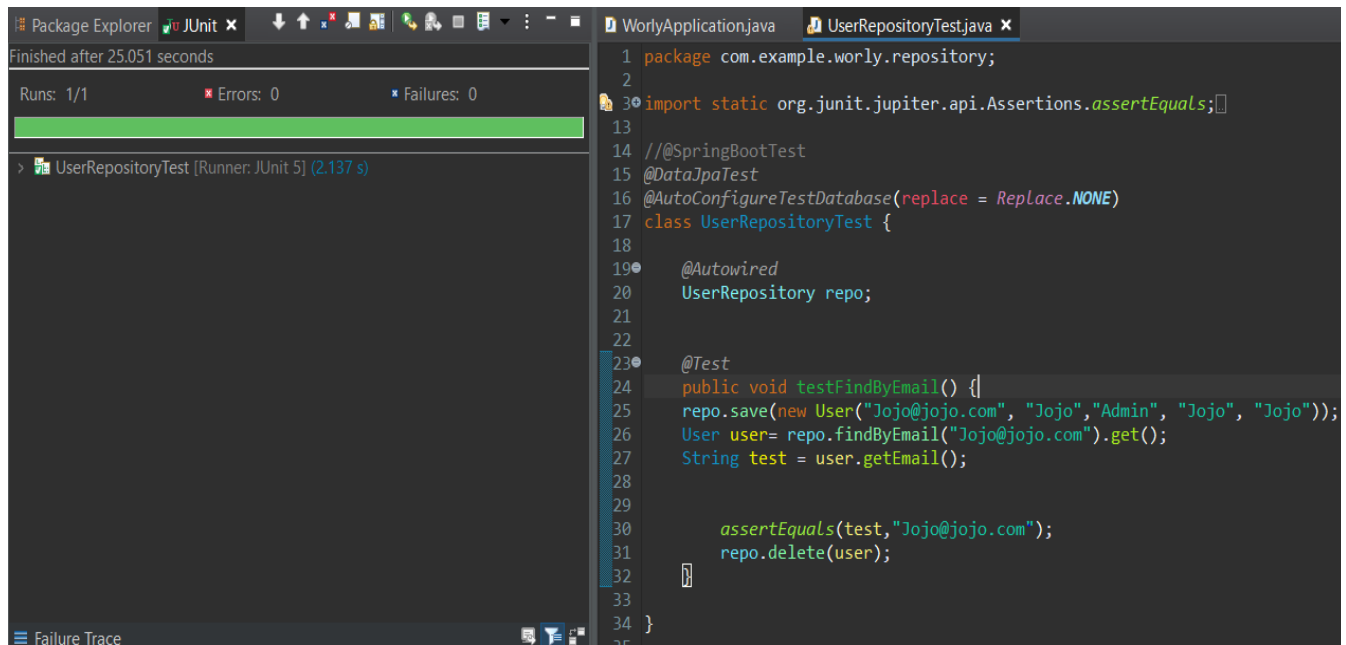
1.3 Postman for Login



1.4 Junit using Mock MVC



1.5 Junit for User repository



The screenshot shows an IDE interface with the following components:

- Package Explorer:** Displays the project structure with 'JUnit' selected.
- JUnit Console:** Shows the test results for 'UserRepositoryTest'. It indicates 'Runs: 1/1', 'Errors: 0', and 'Failures: 0'. A green progress bar is visible.
- Code Editor:** Displays the source code for 'UserRepositoryTest.java'. The code includes package declarations, imports, and test methods.

```
1 package com.example.worly.repository;
2
3 import static org.junit.jupiter.api.Assertions.assertEquals;
4
5 // @SpringBootTest
6 @DataJpaTest
7 @AutoConfigureTestDatabase(replace = Replace.NONE)
8 class UserRepositoryTest {
9
10     @Autowired
11     UserRepository repo;
12
13     @Test
14     public void testFindByEmail() {
15         repo.save(new User("Jojo@jojo.com", "Jojo", "Admin", "Jojo", "Jojo"));
16         User user= repo.findByEmail("Jojo@jojo.com").get();
17         String test = user.getEmail();
18
19         assertEquals(test, "Jojo@jojo.com");
20         repo.delete(user);
21     }
22 }
```