COMSATS UNIVERSITY ISLAMABAD, ABBOTTABAD

Software Testing

LAB FINAL

Submitted by:

Arfah Ali FA21-BSE-080

Submitted to:

Sir Mukhtiar Zamin

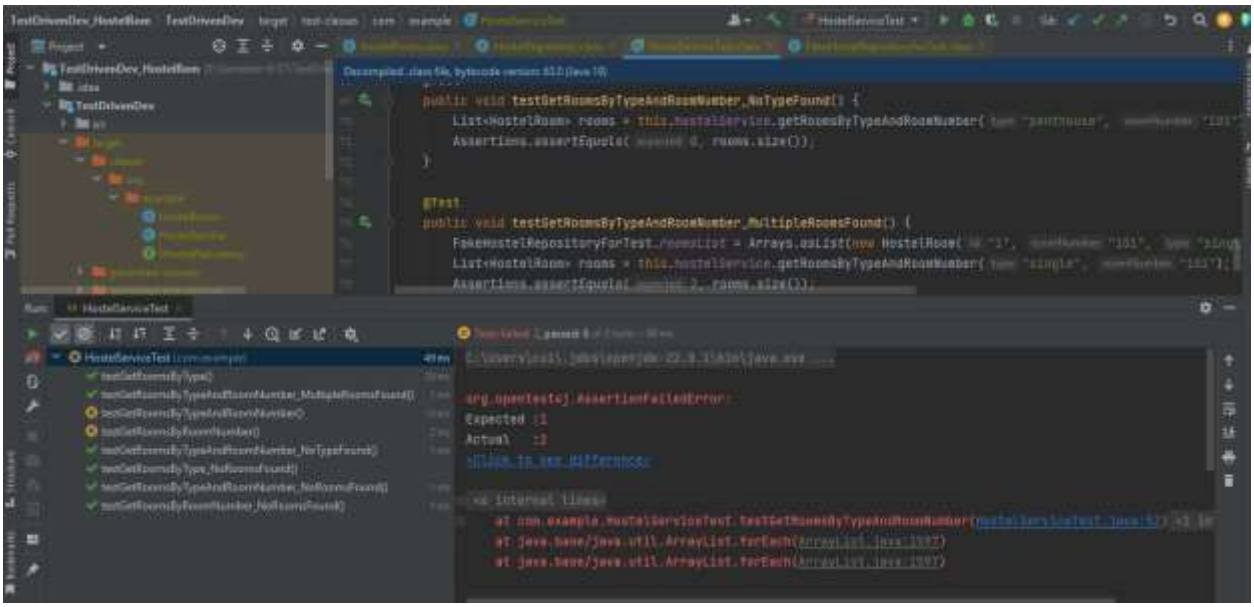
(EVEN)

Q: No:01 Demonstrate TDD for any example of your choice.

Test Cases:

Test Case ID	Test Case Description	Method Invoked	Input	Steps	Expected Outcome	Actual Outcome	Verdict
TC1	Test retrieving rooms by type with valid type "single"	getRoomsByType(String type)	Type: "single"	1. Call method with type "single". 2. Observe the results.	Room count: 2, Room numbers: ["101", (another room number)]	Room count: 2, Room numbers correct	Pass
TC2	Test retrieving rooms by a type that doesn't exist	getRoomsByType(String type)	Type: "penthouse"	1. Call method with type "penthouse". 2. Observe the results.	Room count: 0	Room count: 0	Pass
TC3	Test retrieving rooms by room number with valid number	getRoomsByRoomNumber(String number)	Room Number: "102"	1. Call method with room number "102". 2. Observe the results.	Room count: 1, Room types: ["double"]	Room count: 1, Room type incorrect	Fail
TC4	Test retrieving rooms by a room number that doesn't exist	getRoomsByRoomNumber(String number)	Room Number: "999"	1. Call method with room number "999". 2. Observe the results.	Room count: 0	Room count: 0	Pass
TC5	Test retrieving a room by both type and room number	getRoomsByTypeAndRoomNumber(String type, String roomNumber)	Type: "single", Room Number: "101"	1. Call method with type "single" and room	Room count: 1, Types:	Room count: 1, Type	Fail

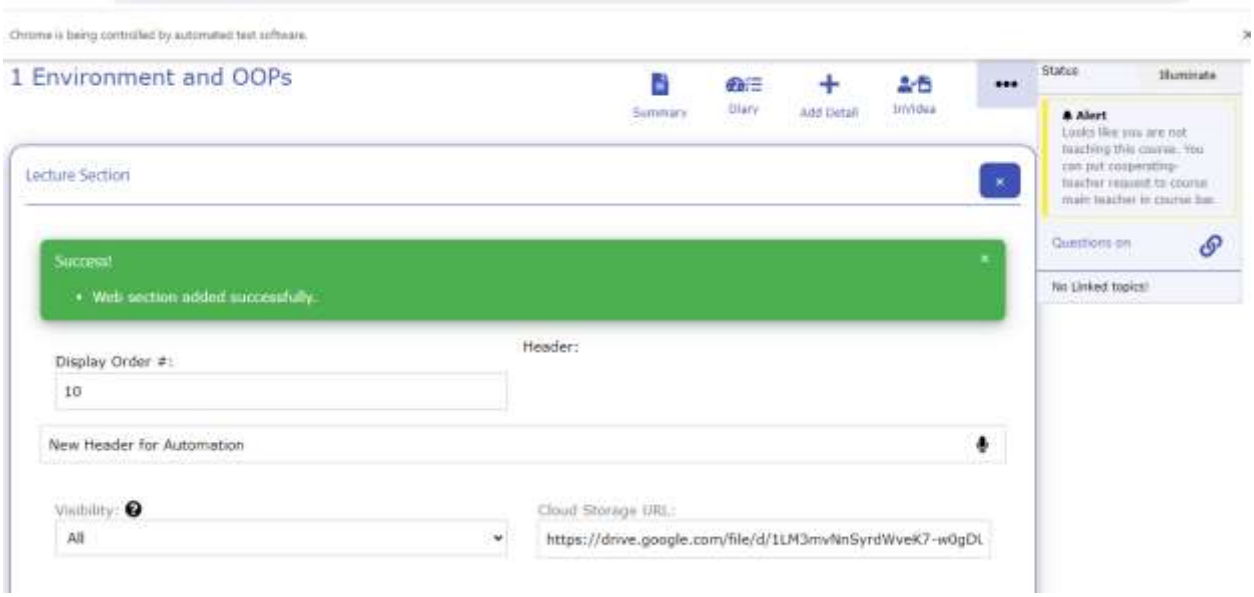
				number "101". 2. Observe the results.	["single"]	incorrect	
TC6	Test retrieving room by type and room number with no match	getRoomsByTypeAndRoomNumber(String type, String roomNumber)	Type: "single", Room Number: "999"	1. Call method with type "single" and room number "999". 2. Observe the results.	Room count: 0	Room count: 0	Pass
TC7	Test retrieving room by nonexistent type and valid room number	getRoomsByTypeAndRoomNumber(String type, String roomNumber)	Type: "penthouse", Room Number: "101"	1. Call method with type "penthouse" and room number "101". 2. Observe the results.	Room count: 0	Room count: 0	Pass



Q: No:02 UX Automation (2 Test Cases)

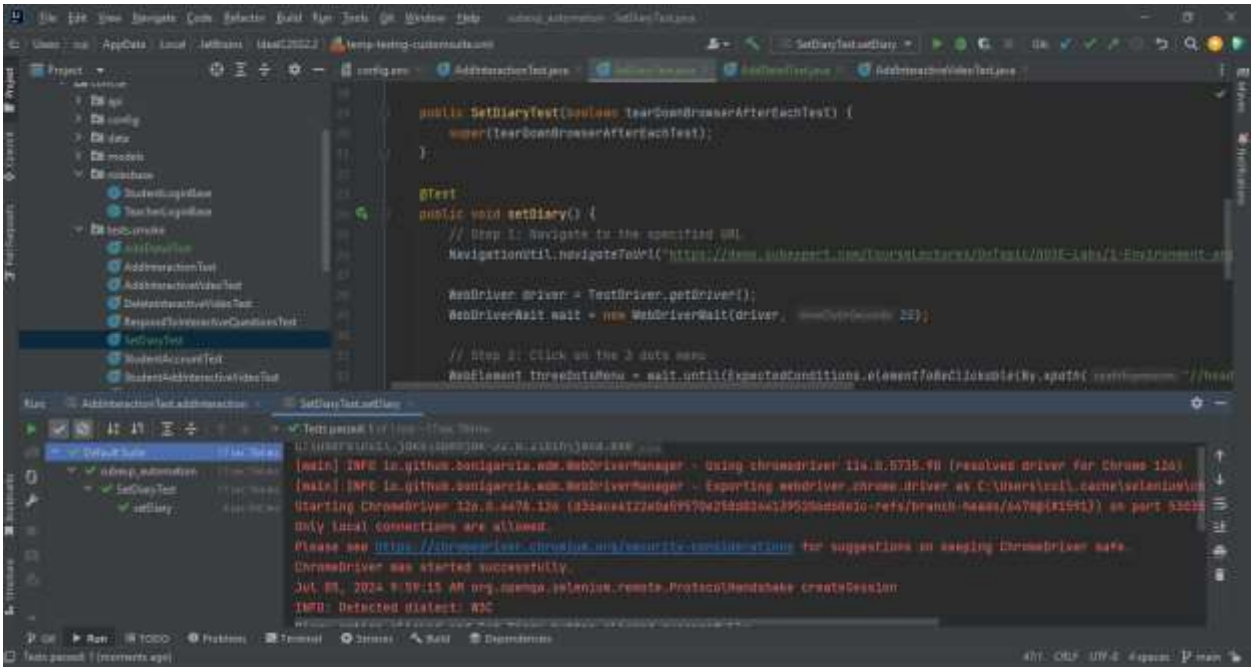
1. Add Detail Test Case: (Test case passed)

Test Case ID	Description	Preconditions	Steps	Expected Result
TC-02	Add Details and Handle Duplicates	Teacher is logged in and navigated to the course page.	1. Navigate to the specified URL: 2. Click on the 3 dots menu. 3. Delete the existing section if it exists: a. Click on the delete button. b. Confirm the deletion in the alert. c. Close the "deleted successfully" message. 4. Click on the "add detail" option. 5. Fill in the display order field with value 10. 6. Fill in the header field with value New Header for Automation. 7. Fill in the cloud storage URL field with value 8. Fill in the HTML description field with value This is an HTML description for the test case. 9. Select the visibility option as All. 10. Click the add button to add the detail. 11. Verify the success or warning message: a. If a warning message appears, modify the header and retry. b. Verify the success message after modifying.	The new detail is added successfully without any warning or error messages. If a duplicate section exists, it is deleted first and the detail is added successfully afterward.



2. Set Diary: (Testcase passsed)

Test Case ID	Description	Preconditions	Steps	Expected Result
TC-03	Set Diary	Teacher is logged in and navigated to the course page.	1. Navigate to the specified URL: https://demo.subexpert.com/CourseLectures/OnTopic/OOSE-Labs/1-Environment-and-OOPs. 2. Click on the 3 dots menu.3. Click on the "Diary" option. 4. Click on the "Set Diary" button.	The "Diary" option and the "Set Diary" button are successfully clicked, and the diary is set as expected.


public SetDiaryTest(boolean tearDownBrowserAfterEachTest) {
super(tearDownBrowserAfterEachTest);
}
@Test
public void setDiary() {
// Step 1: Navigate to the specified URL
NavigationUtil.navigateToUrl("https://demo.subexpert.com/Course/Lectures/Default/NOIE-Labs/1-Environment-an
WebDriver driver = TestDriver.getDriver();
WebDriverWait wait = new WebDriverWait(driver,
// Step 2: Click on the 3 dots menu
WebElement threeDotsMenu = wait.until(ExpectedConditions.elementToBeClickable(By.xpath(
[main] INFO io.github.bonigarcia.wdm.WebDriverManager - Using chromedriver 114.0.5735.90 (resolved driver for Chrome 126)
[main] INFO io.github.bonigarcia.wdm.WebDriverManager - Exporting webdriver.chrome.driver as C:\Users\coll.cache\selenium\c
Starting ChromeDriver 126.0.6478.126 (d3aaa4122e0a6957042f8d83e4139528ad6861c-refs/branch-heads/6478@{#1591}) on port 53635
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Jul 05, 2024 9:59:15 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C