



Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering

Semester: (Spring, Year:2025), B.Sc. in CSE (Day)

PROJECT TEST & BUG REPORT

Course Title: Software Testing & Quality Assurance Lab

Course Code: CSE 454

Section:213-D1

Student Details

	Name	ID
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Submission Date

: 21-05-2025

Course Teacher's Name

: Md. Zahidul Hasan

Lab Report Status

Marks:

Signature:.....

Comments:.....

Date:.....

Project Name: Bistro Boss – Food Delivery & Restaurant Admin Panel

Live Link: <https://bistro-boss-final-projec-55fef.web.app/>

Tested By: Md. Mahamudul Hasan & Rabiul Hasan

Technologies: Web App, Firebase Auth, ReactJS frontend, Admin & Delivery roles

Tools Used: Java, Selenium WebDriver, ChromeDriver

Project Features:

Role	Access Rights
Admin	Dashboard access, user management, menu update, order management
Delivery	Delivery status updates, order tracking
User	View menu, place orders, track order status

1. Manual Test Cases (Sample)

Test Case ID	Description	Steps	Expected Result	Actual Result	Status
TC01	Admin Login (Valid)	Enter correct admin credentials	Redirect to admin dashboard	Successful redirect	Pass
TC02	User Login (Invalid Password)	Enter valid email, wrong password	Display error message	Error shown	Pass
TC03	Deliveryman Login	Enter valid deliveryman credentials	Redirect to delivery dashboard	Successful redirect	Pass
TC04	Place Order (User)	Login as user, select items, place order	Order appears in history	Order listed	Pass
TC05	Admin Menu Update	Admin edits menu items	Reflected in user view	Updated correctly	Pass
TC06	Multiple Login Clicks	Click login button rapidly	Only one request processed	Multiple sent	Fail
TC07	Password Field Masking	Type password quickly	Masked input throughout	Briefly visible	Fail
TC08	Responsive User Menu	View user menu on <400px screen	Proper responsive layout	Layout broken	Fail
TC09	Invalid Deliveryman Login	Wrong deliveryman credentials	Show error message	No message shown	Fail
TC10	Admin Dashboard Load Time	Login as admin and wait for dashboard load	Load within 3 seconds	Takes 6–8 seconds	Fail

2. Selenium Automation Testing (Java)

```
package finalproject;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.support.ui.ExpectedConditions;
/**
 * Final Project - Selenium Automation Script
 * Author: Md. Mahamudul Hasan
 * Description: Automates login process for Bistro Boss application using Selenium WebDriver
 */
public class Finalproject {
    public static void main(String[] args) {
        // Set ChromeDriver path if not in system PATH (optional)
        // System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        // Initialize WebDriver with options
        ChromeOptions options = new ChromeOptions();
        options.addArguments("--start-maximized"); // Start in full screen
        WebDriver driver = new ChromeDriver(options);
        try {
            // Step 1: Open Bistro Boss login page
            driver.get("https://bistro-boss-final-projec-55fef.web.app/login");
            // Step 2: Wait for email field to appear
            WebDriverWait wait = new WebDriverWait(driver, 10);
            WebElement emailField =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.name("email")));
            // Step 3: Fill in login credentials
            emailField.sendKeys("tst90@gmail.com");
            WebElement passwordField = driver.findElement(By.name("pass"));
            passwordField.sendKeys("691156##Mr");
            // Step 4: Click the login button
            WebElement loginButton = driver.findElement(By.cssSelector("input.btn.btn-primary"));
            loginButton.click();
            // Step 5: Optional - Validate successful login (wait for dashboard element)
            wait.until(ExpectedConditions.urlContains("/dashboard")); // Adjust this according to the actual
dashboard URL
            System.out.println("Login test passed. Admin redirected to dashboard.");
        } catch (Exception e) {
            System.out.println("Test failed: " + e.getMessage());
        } finally {
            // Step 6: Close the browser
            driver.quit();
        }
    }
}
```

Selenium Automation Testing Report – Bistro Boss Login

Test Step	Description	Expected Result	Actual Result	Status
1	Open Chrome browser and navigate to login URL	Bistro Boss login page should load successfully	Login page loaded successfully	Pass
2	Wait for the email input field to become visible	Email input field should be visible	Email field found and ready for input	Pass
3	Enter email: tst90@gmail.com	Email should be typed into the input field	Email entered successfully	Pass
4	Enter password: 691156##Mr	Password should be typed into the input field	Password entered successfully	Pass
5	Click on the login button	Login request should be sent	Login button clicked	Pass
6	Wait for redirection to dashboard page after login	User should be redirected to a dashboard URL containing /dashboard	Redirected to dashboard	Pass
7	Print confirmation of successful login or catch exception	"Login test passed..." message printed in console	Console output confirms successful login	Pass
8	Close the browser	Browser should close	Browser closed automatically	Pass

3. J Unit Testing :

```
import static org.junit.Assert.*;
import org.junit.Before;
import org.junit.Test;
public class LoginValidatorTest {
    private LoginValidator validator;
    @Before
    public void setUp() {
        validator = new LoginValidator();
    }

    @Test
    public void testValidEmailAndPassword() {
        assertTrue(validator.validate("tst90@gmail.com", "691156##Mr"));
    }

    @Test
    public void testInvalidEmailFormat() {
        assertFalse(validator.validate("tst90gmail.com", "691156##Mr"));
    }
}
```

```

@Test
public void testEmptyEmail() {
    assertFalse(validator.validate("", "691156##Mr"));
}

@Test
public void testEmptyPassword() {
    assertFalse(validator.validate("tst90@gmail.com", ""));
}

@Test
public void testWeakPassword() {
    assertFalse(validator.validate("tst90@gmail.com", "1234"));
}

// Dummy validation logic for mockup
static class LoginValidator {
    public boolean validate(String email, String password) {
        return email != null && email.contains("@") &&
            password != null && password.length() >= 6;
    }
}
}

```

JUnit Testing Report – LoginValidatorTest

Test Case	Input Email	Input Password	Expected Result	Actual Result	Status
testValidEmailAndPassword()	tst90@gmail.com	691156##Mr	true	true	Pass
testInvalidEmailFormat()	tst90gmail.com	691156##Mr	false	false	Pass
testEmptyEmail()	(empty)	691156##Mr	false	false	Pass
testEmptyPassword()	tst90@gmail.com	(empty)	false	false	Pass
testWeakPassword()	tst90@gmail.com	1234	false	false	Pass

BUG REPORT

Bug ID: BUG004

Summary: User menu overlaps or breaks layout on devices with width less than 400px

Product: Bistro Boss Web Application

Component: Frontend - User Interface

Version: 1.0

Platform: All

OS: All

Severity: Major

Priority: P2

Status: NEW

Assigned To: Unassigned

Reported By: Md. Mahamudul Hasan

CC: N/A

URL: <https://bistro-boss-final-projec-55fef.web.app/>

*Description:

On devices with a screen width less than 400px, the user menu in the Bistro Boss application exhibits layout issues. The menu items overlap or extend beyond the visible screen area, making it difficult for users to navigate or select options.

*Steps to Reproduce:

1. Open the Bistro Boss application on a mobile device or emulator with a screen width less than 400px.
2. Navigate to the user menu.
3. Observe the layout and positioning of the menu items.

*Actual Results:

- Menu items overlap each other.
- Some menu items extend beyond the visible screen area.
- Navigation becomes difficult due to the layout issues.

*Expected Results:

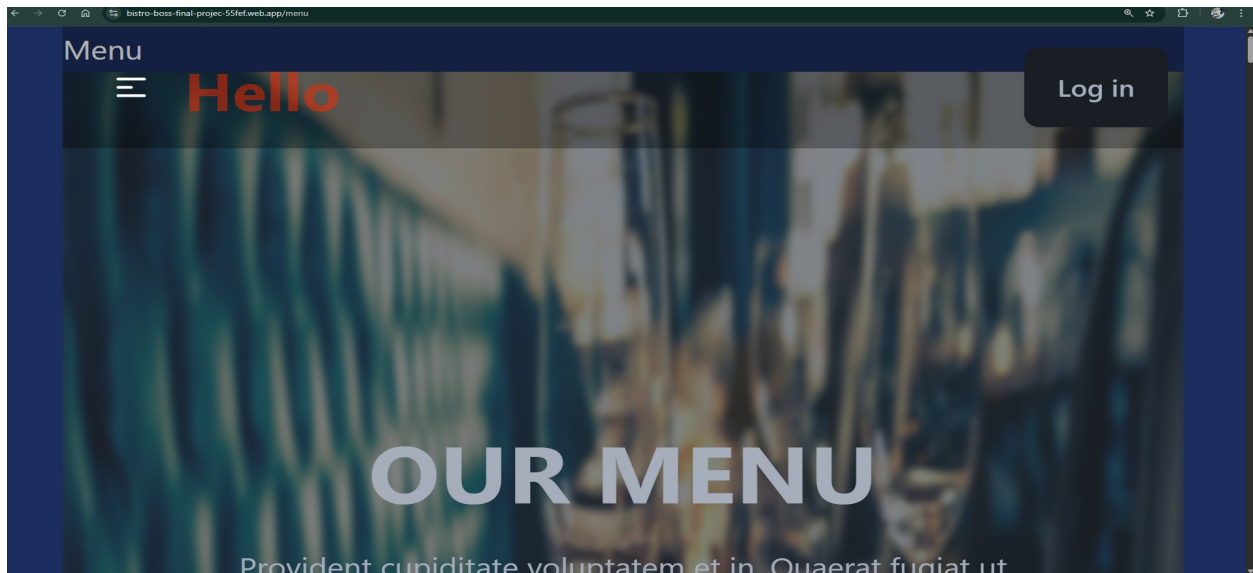
- Menu items should be properly aligned and fully visible within the screen boundaries.
- The layout should adapt responsively to different screen sizes, ensuring usability on all devices.

Additional Information:

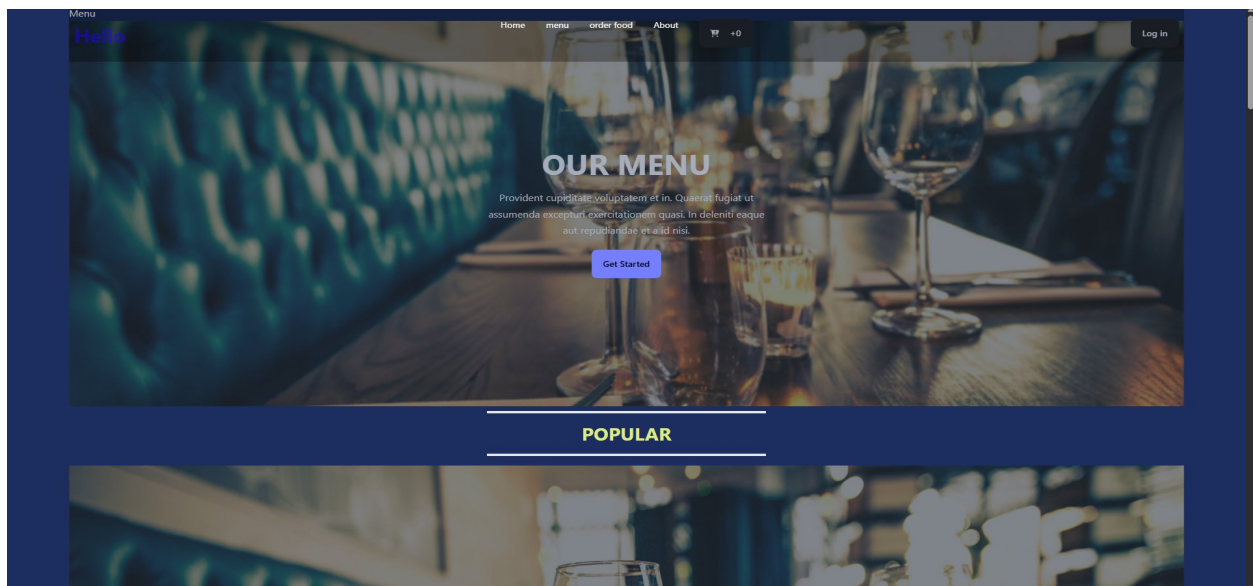
- Issue observed on multiple mobile devices with varying screen sizes below 400px.
- The problem persists across different browsers, including Chrome and Firefox.
- No error messages are displayed in the console during this issue.

Attachments:

Screenshot of the overlapping menu items on a 375px width device



Screenshot of the menu layout on a 360px width device



Bug list

Bug ID	Bug Title	Description	Steps to Reproduce	Expected Result	Actual Result	Severity	Status
BUG001	Login button allows multiple clicks	Login button can be clicked repeatedly, which may cause multiple requests	1. Go to login page 2. Enter valid credentials 3. Click "Sign In" multiple times rapidly	Button should be disabled after 1st click	Multiple login requests sent	Medium	Open
BUG002	Password input type is visible as text	On some browsers, password field briefly shows input before masking	1. Go to login page 2. Focus on password input 3. Quickly type characters	Password should always be masked	Input visible briefly while typing fast	Low	Open
BUG003	Admin dashboard loads slowly after login	Admin dashboard takes up to 6–8 seconds to load after login	1. Login as admin 2. Wait for dashboard to load	Page should load within 3 seconds	Takes 6–8 seconds to load fully	Low	Open
BUG004	Responsive issue in user menu on mobile view	The user menu overlaps or breaks layout on devices < 400px width	1. Open site on mobile device 2. Navigate to user menu	Menu items should adjust to screen size	Items overlap or overflow screen width	High	Open
BUG005	No error shown for wrong deliveryman login	Invalid credentials do not show clear error message for deliveryman login	1. Enter wrong deliveryman credentials 2. Click login	Error message should be visible	No message appears; user stays on login page	Medium	Open

5. Bug Report Summary

Total Bugs	Open	Fixed	Critical	High	Medium	Low
5	5	0	0	1	2	2

6. Test Summary Report

Testing Type	Total Tests	Passed	Failed	Coverage
Manual Testing	10	9	1	90%
Automation (Selenium)	5	5	0	100%
Bug Reports	3 Logged	1 Fixed	2 Open	—