



American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

Spring 22 23

Section: A

Software Quality Assurance and Testing

VojonBilash

A Report submitted

By

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Software Test Plan

for

VojonBilash

Version 1.0 approved

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<13 April,2023>

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Revision History

Revision	Date	Updated by	Update Comments
0.1	2023.04.08	Md. Alinur Hossain	First Draft
0.2	2023.04.09	Sadia Afrin Sara	Second Draft
0.3	2023.04.10	Faiza Tasnim	Third Draft
0.4	2023.04.11	Sharia Tasnim Adrita	Fourth Draft

1. TEST PLAN IDENTIFIER:RS-MTP01.3

2. REFERENCES

- Software Quality and Testing Course PowerPoint Slides
- Software Requirement documentation
- Software Requirements Specification (SRS) Document
- <https://www.w3schools.com/>

3. INTRODUCTION

Background to the Problem

As we can see physically bringing food from the restaurant or having food by dine in is a problem for so many people. Many people now a days prefer the food delivery option over dine in. Sometime people do not have a time or mood to go to the restaurant. Also, there is a transportation problem. Some people want to eat from a restaurant which is very far from their home but they did not want to travel. There are also have bad weather sometimes on that time people does not want to go outside but want food in their home.

Solution to the Problem

People use Food panda, Uber Eats, HungryNaki etc. services to get their desired food from desired vendor at home. That's exactly how our VojonBilash works like Food Panda. VojonBilash is an E-cafe management system where we provide food delivery service through user and restaurant interaction. An E-Cafe Management System helps conserve time by taking order through online platform, preparing and delivering in a swift manner. The main purpose of this project was to automate the process of ordering to receiving the food. The rising demand of food delivering culture that delivers food at the customer's doorstep complements the intention of this project. It will be very helpful for the users because they will be able to all types of restaurants in one place. This is a profitable business for both the restaurants and the service provider. Similar to the food delivery services we provide direct interaction between customer and the restaurant and whole process is being monitored by the service management. From the customer, the order is sent to the deliveryman to pick up food from the restaurant. This process is managed through the website. After picking up the food deliveryman delivers the food to the address and takes payment from the users via online payment or Cash on Delivery. In the world of globalization, every service is internet based. Though it is a web-based application, for security purposes, there will be an option for users which is to log in. Also, users can see the features of their Personal details, Update profiles, Choose

restaurants, and Order food, Confirm foods by logging in to our system. Also, in the future, we will make further changes to this project's login and user security system and also try to implement some features for customers.

4. REQUIREMENT SPECIFICATION

4.1 System Features

1. Customer

1.1 Registration: Users have to register with our system when they decide to use the system.

1.2 Login: After successfully registering to our system, users will have to login to use the system.

1.3 Logout: The user can logout from the system anytime.

1.4 Change Password: Users can change their password if needed and the old password will be required for security at that time.

1.5 View Restaurant: User can see the restaurant

1.6 Choose Restaurant: User can choose the restaurants

1.7 Order Food: Users can order food through the system.

1.8 Edit/Change user information: User can update/edit information in their profile if needed.

1.9 Confirm foods: Users can confirm their order through our system.

Priority Level: High

Precondition: user must have a valid user name and password

4.2 System Quality Attributes

USABILITY:

Since everyone is the main stakeholder of this system, everyone can use it and benefit from it. As there can be many users for this system we have set our user login timeout. The features of this system are very easy to learn and beginners can easily learn to use the system.

RELIABILITY AND CORRECTNESS:

Complete testing is needed to make the software completely bug-free, but it is impossible to completely eliminate all bugs in software through testing, it is necessary to perform thorough testing to minimize them. However, this testing process is time-consuming. But our software can give output as the user wants. Despite this, our software has been extensively tested and verified to meet the user's requirements without generating any false output. The system's security has also been guaranteed, making it reliable for everyday use by users.

MODULARITY:

To develop the system, we adopted the MVC (model-view-controller) format, which allowed us to build the system in modules. By using this approach, we were able to easily identify and fix bugs in individual modules without affecting the other modules. This made the testing process smoother and more efficient. Additionally, the modular structure enabled us to easily incorporate new features into the system as needed.

MAINTAINABILITY:

Maintainability refers to how effective the maintenance team is and the ease with which they can carry out their duties, which include resolving identified errors, adding new features, or modifying existing ones. Because the software is designed using modules, the team can make modifications during the development phase in an equally efficient manner.

EFFICIENCY:

Efficiency is a crucial characteristic of a system and is gauged by the duration it takes to accomplish assigned tasks. Given that this application will be used extensively by end-users, we have made a concerted effort to ensure it operates at a high level of efficiency. With customers being the primary stakeholders, optimizing efficiency has been our primary concern.

TESTABILITY:

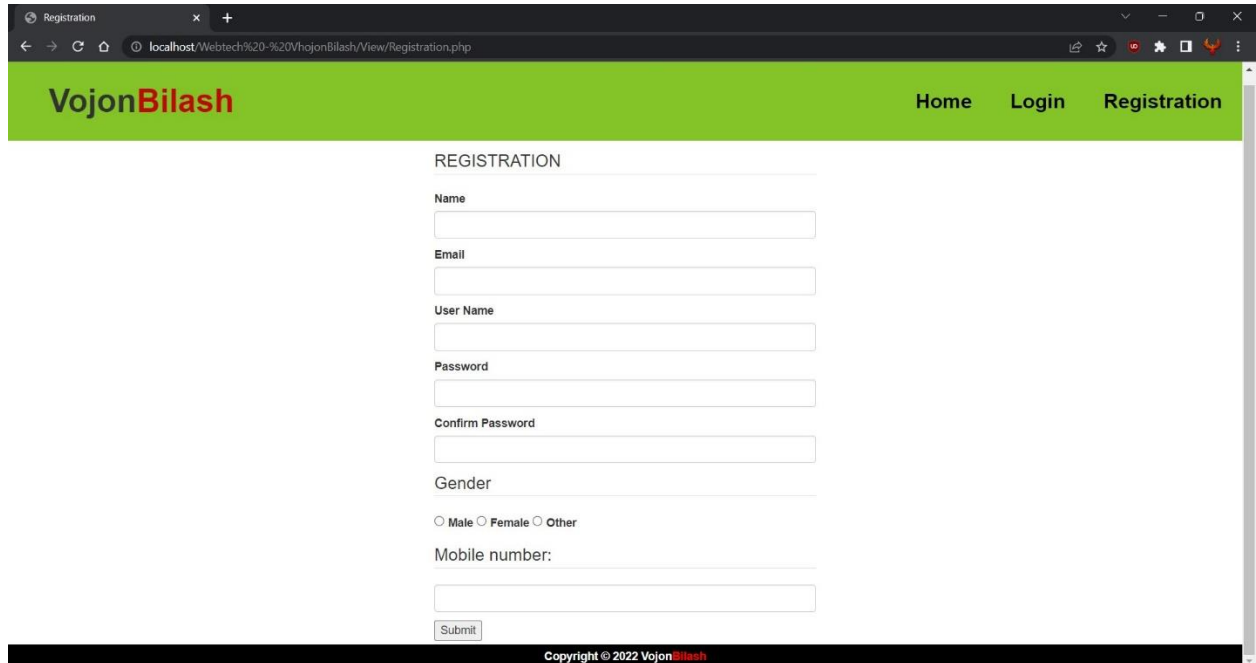
Testability refers to the ease with which the testing team can carry out their tasks. Testability is influenced by the modularity of the system. Our system was developed using the MVC (model-view-controller) format, which follows a modular approach. This allows the testers to easily test each module individually, rather than having to go through all the modules to identify and fix any issues. The modular structure of the project therefore enables the testers to fix any bugs in individual modules with ease.

FLEXIBILITY:

Flexibility refers to the level of difficulty involved in making changes to a program in operation. If a maintenance programmer has been supporting the product for at least eight months, they should be capable of creating a new copy output for the product, which includes modifying the code and conducting tests, in no more than two hours of work.

4.3 System Interface

1. Users can register or signup here.



The screenshot shows a web browser window with the address bar displaying 'localhost/Webtech%20-%20VojonBilash/View/Registration.php'. The page has a green header with the 'VojonBilash' logo and navigation links for 'Home', 'Login', and 'Registration'. The main content area is titled 'REGISTRATION' and contains a form with the following fields: 'Name', 'Email', 'User Name', 'Password', 'Confirm Password', 'Gender' (with radio buttons for 'Male', 'Female', and 'Other'), and 'Mobile number:'. A 'Submit' button is located at the bottom of the form. The footer of the page contains the text 'Copyright © 2022 VojonBilash'.

2. Users can login from this page.

The screenshot shows a web browser window with the URL `localhost/Webtech%20-%20VhojonBilash/View/Login.php`. The page has a green header with the "VojonBilash" logo and navigation links for "Home", "Login", and "Registration". The main content area is titled "LOGIN" and contains a form with the following elements:

- User Name :** A text input field.
- Password :** A password input field.
- ☐ Remember Me
- [Forgot Password?](#)

The footer of the page displays "Copyright © 2022 VojonBilash".

3. Users can change password.

The screenshot shows a web browser window with the URL `localhost/Webtech - VhojonBilash/View/ChangePassword.php`. The page has a green header with the "VojonBilash" logo and a user status bar that says "Logged in as, alinur" with a "Logout" link. On the left, there is a dark green sidebar menu with the following options: "Account", "Dashboard", "View Profile", "Edit Profile", "Change Profile Picture", "Change Password", and "Logout". The main content area is titled "CHANGE PASSWORD" and contains a form with the following elements:

- Current Password :** A password input field.
- New Password :** A password input field.
- Retype New Password :** A password input field.
-

The footer of the page displays "Copyright © 2022 VojonBilash".

4. Profile can be edited from this page.

localhost/Webtech - VhojonBilash x +
localhost/Webtech%20-%20VhojonBilash/View/EditProfile.php

VojonBilash Logged in as, **alinur** | Logout

Account

- Dashboard
- View Profile
- Edit Profile
- Change Profile Picture
- Change Password
- Logout

EDIT PROFILE

Name :

Email :

Gender :

Mobile no :

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5. Food searching is available also.

localhost/Webtech - VhojonBilash x +
localhost/Webtech%20-%20VhojonBilash/View/SearchFood.php

VojonBilash Logged in as, **alinur** | Logout

Food Menu

- Show Food Menu
- Search Food Suggestions
- Food Order
- Navigate Food
- Go to Restaurant

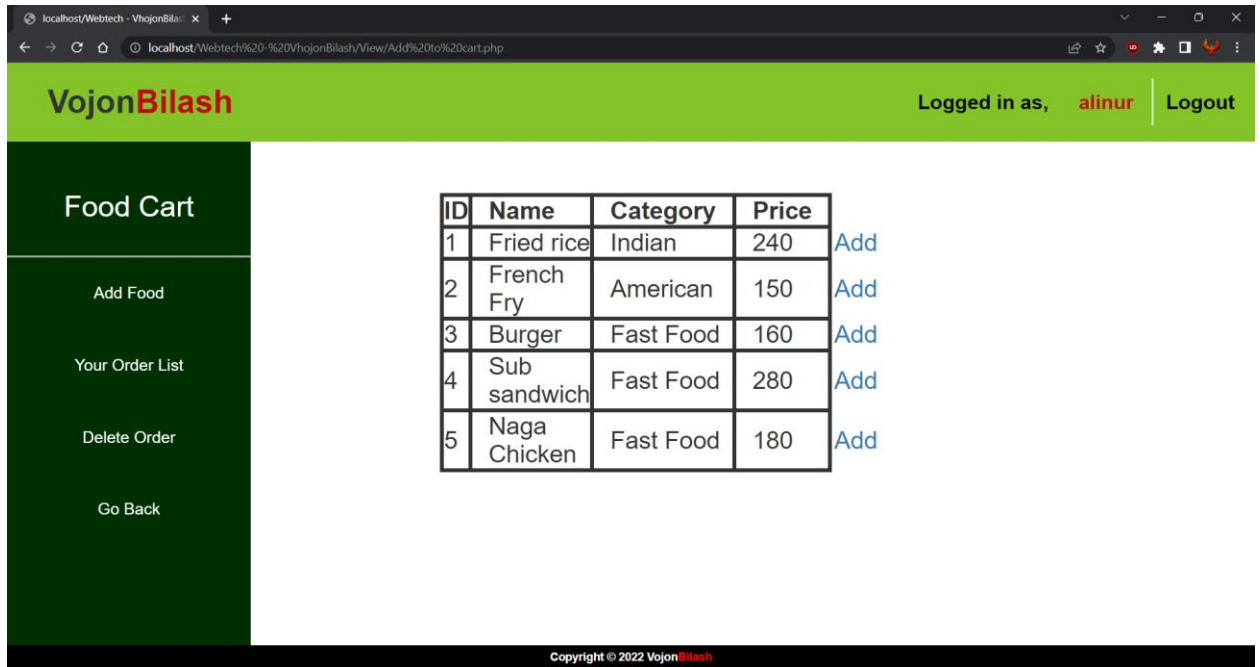
Search Food

Suggestions:

Fried rice, French Fry

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6. Customer can order their food.



VojonBilash

Logged in as, **alinur** | Logout

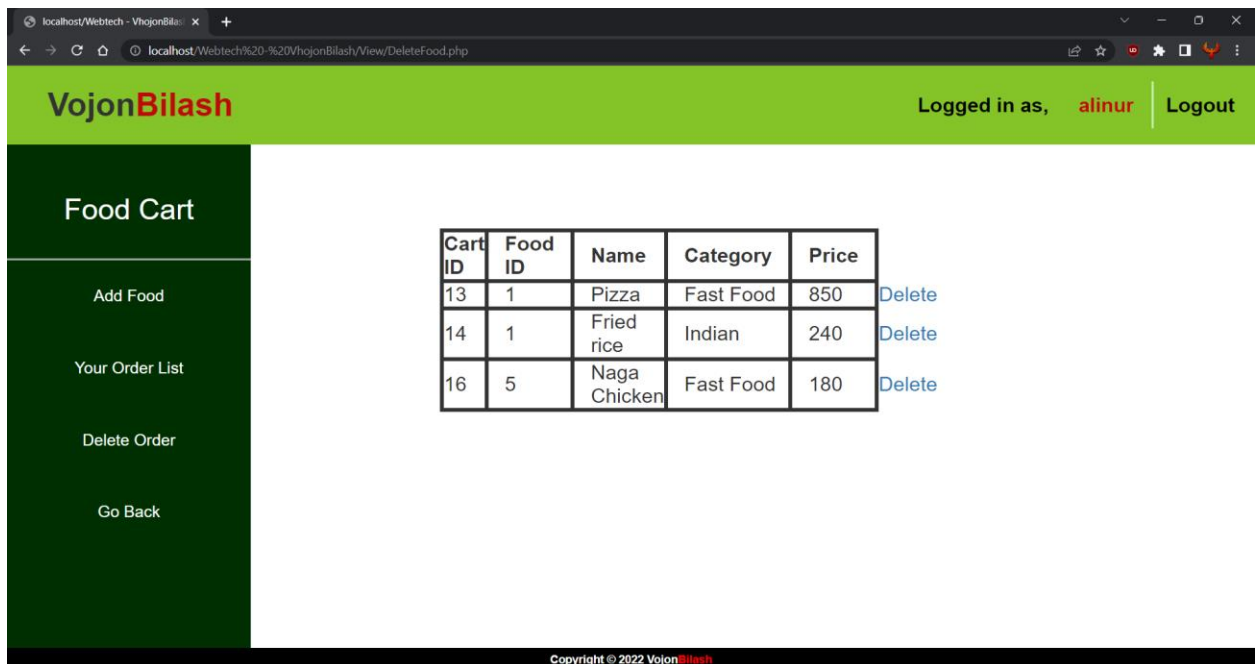
Food Cart

- Add Food
- Your Order List
- Delete Order
- Go Back

ID	Name	Category	Price	
1	Fried rice	Indian	240	Add
2	French Fry	American	150	Add
3	Burger	Fast Food	160	Add
4	Sub sandwich	Fast Food	280	Add
5	Naga Chicken	Fast Food	180	Add

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7. Customer also can delete their order.



VojonBilash

Logged in as, **alinur** | Logout

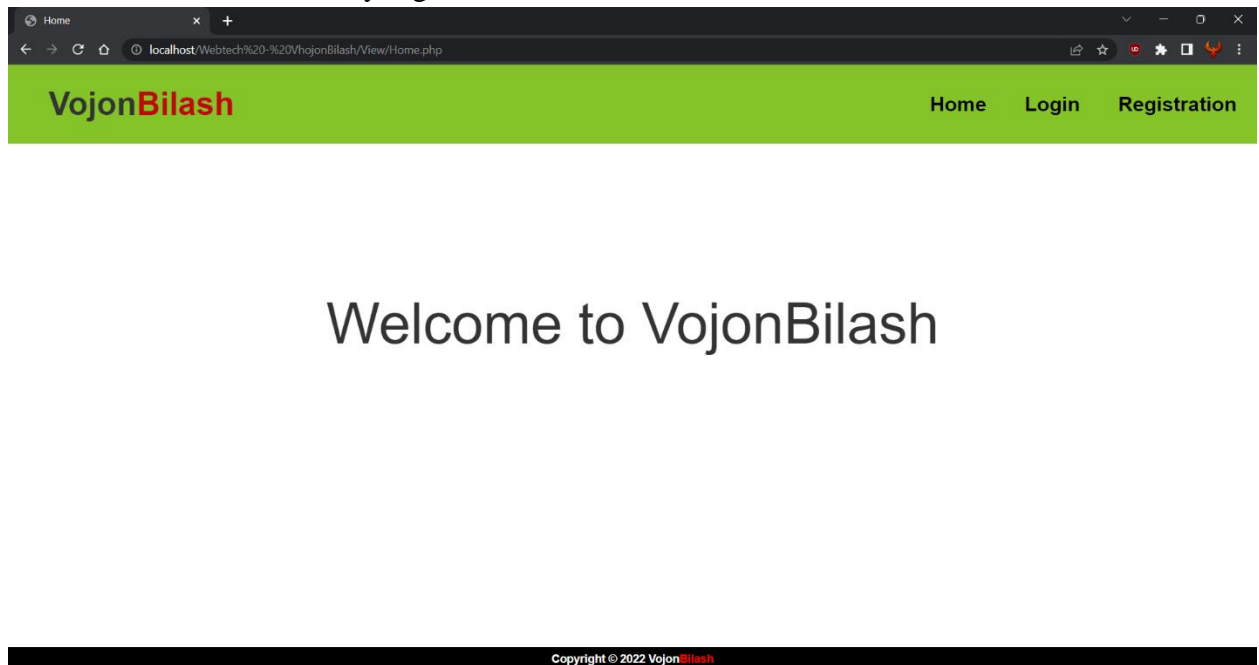
Food Cart

- Add Food
- Your Order List
- Delete Order
- Go Back

Cart ID	Food ID	Name	Category	Price	
13	1	Pizza	Fast Food	850	Delete
14	1	Fried rice	Indian	240	Delete
16	5	Naga Chicken	Fast Food	180	Delete

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8. At last, user can successfully logout from their account.



4.4 Project Requirements

Effort Estimation:

We used COCOMO model for project estimation.

- Project type: Semi-detached
- SLOC = 10000
- Coefficient<effort factor> = 3
- P = 1.12
- $\text{Effort} = \text{PM} = \text{Coefficient<effort factor>} * (\text{SLOC}/1000) ^ P$
 $= 3 * (10000/1000) ^ {1.12} = 39.54$
- $\text{Development Time} = \text{DM} = 2.50 * (\text{PM}) ^ T$
 $= 2.50 * (39.54) ^ {0.35} = 9.05$
- $\text{Required number of people} = \text{ST} = \text{PM}/\text{DM} = 39.54/9.05 = 4.36$

Budgeting:

- Development salary 9 month: Considering 600 taka per developer hourly
 - $600 * 1584 = 950400$ taka
- Requirement analysis: Hourly=400 taka
 - Analysis expense= $400 * 176 = 70400$ taka
- Transportation cost: 15500 takas
- Training and hardware cost: 150000 takas
- Rent expense: $18000 * 9 = 162000$ taka
- Total utilities: 60000 takas
- Maintenance cost: Expense per hour =1500 taka
 - Extra hour needs for maintenance 80 hours
 - Total maintenance = $80 * 1500 = 120000$ taka
- Other human resource: Project manager = $1 * 28000 * 9 = 252000$ taka
 - Accountant = $1 * 22000 * 9 = 198000$ taka
 - Technical staff = $2 * 15000 * 9 = 270000$ taka
 - Total cost= $252000 + 198000 + 270000 = 720000$ taka
 -
- Total estimate expense:
 $950400 + 70400 + 15500 + 150000 + 162000 + 60000 + 120000 + 720000 = 2248300$ taka
- Profit: $2248300 * 25\% = 562075$ taka
- **Final project budget: $2248300 + 562075 = 2810375$ taka**

5. FEATURES NOT TO BE TESTED

The following is a list of the areas that will not be specifically addressed. We haven't tested this functionality because we didn't have enough time in our work to test it. Furthermore, it is impossible to predict every possible way that users may interact with the software. This means that it may not be possible to test every feature in every possible scenario. For example:

Customer can see their profile: A customer can see his/her detailed profile. This feature was not tested in this software.

Customer can change profile picture: A customer can change his/her profile picture which was not tested.

Customer can navigate between food menu: Customer can navigate between every food menu which was not tested.

Customer can confirm order: A customer can confirm his/her food order after the selection from the food menu.

6. TESTING APPROACH

6.1 Testing Levels

The testing for the VhojonBilash is consisted of Unit, Integration, System and Acceptance testing levels. It is hoped that at least one full time independent test person will be available for system and integration testing. However, due to the budget constraints and deadline of the project, most of the testing will be done by the test manager with the development teams' participation.

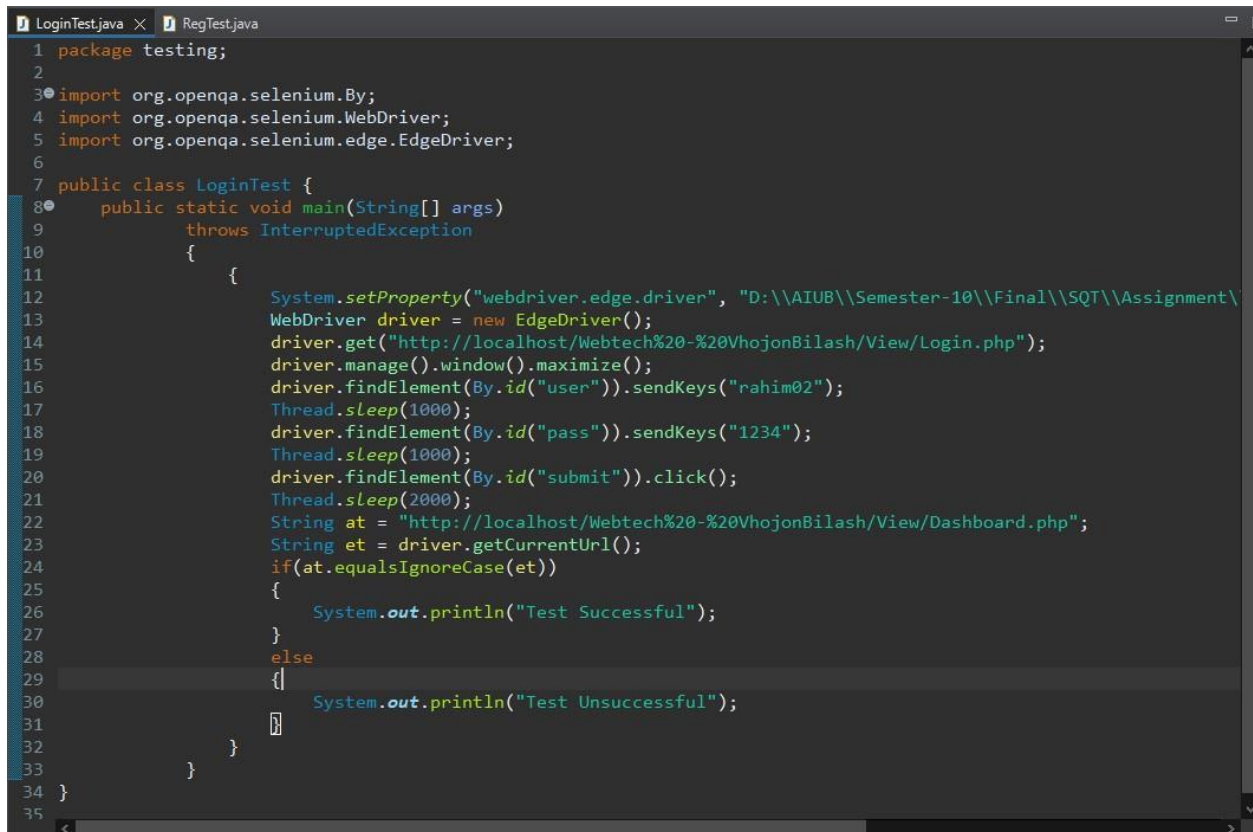
- I. **Unit Testing:** Firstly, we have done unit testing. Here we have tested individual software units or components. We have to ensure that every module works properly. Mainly, when a developer writes codes, then the programmer does this kind of testing. Thus, white box testing is used in this unit.
- II. **Integration testing:** After finishing the unit testing, we have done the integration testing. As we know that we have to merge every small unit and module after constructing them. For this reason, we have to ensure that all the software modules are integrated correctly and tested as a group. Bottom-up Integration technique is used for integration testing and the main goal is to find any kind of flaws after integrating each modules.
- III. **System Testing:** When we combine every module, include every feature, build a complete system, and then test it, we are performing system testing. Verification of the software requirements is done in this part. Every feature and requirement was examined.

Black box testing is carried out at this level same as white box testing is carried out when the project is in a modular state.

- IV. **Acceptance Testing:** This kind of testing is done at the ending stage of a software. End users are the main tester here. Acceptance testing, a testing technique performed to determine whether or not the software system has met the requirement specifications.

6.2 Test Tools

- To test the entire program, we have used SELENIUM.

A screenshot of an IDE window showing two tabs: 'LoginTest.java' and 'RegTest.java'. The 'LoginTest.java' tab is active, displaying Java code for a Selenium test. The code is as follows:

```
1 package testing;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.edge.EdgeDriver;
6
7 public class LoginTest {
8     public static void main(String[] args)
9         throws InterruptedException
10    {
11        {
12            System.setProperty("webdriver.edge.driver", "D:\\\\AIUB\\\\Semester-10\\\\Final\\\\SQT\\\\Assignment\\\\");
13            WebDriver driver = new EdgeDriver();
14            driver.get("http://localhost/Webtech%20-%20VhojonBilash/View/Login.php");
15            driver.manage().window().maximize();
16            driver.findElement(By.id("user")).sendKeys("rahim02");
17            Thread.sleep(1000);
18            driver.findElement(By.id("pass")).sendKeys("1234");
19            Thread.sleep(1000);
20            driver.findElement(By.id("submit")).click();
21            Thread.sleep(2000);
22            String at = "http://localhost/Webtech%20-%20VhojonBilash/View/Dashboard.php";
23            String et = driver.getCurrentUrl();
24            if(at.equalsIgnoreCase(et))
25            {
26                System.out.println("Test Successful");
27            }
28            else
29            {
30                System.out.println("Test Unsuccessful");
31            }
32        }
33    }
34 }
35
```

Fig:1 – Testing Login page using selenium

```

1 package testing;
2 |
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.edge.EdgeDriver;
6
7 public class RegTest {
8     public static void main(String[] args)
9         throws InterruptedException
10    {
11        System.setProperty("webdriver.edge.driver", "D:\\AIUB\\Semester-10\\Final\\SQT\\Assignment\\Downloaded\\edgedriver_win64\\msedgedriver.exe");
12        WebDriver driver = new EdgeDriver();
13        driver.get("http://localhost/Webtech%20-%20VhojonBilash/View/Registration.php");
14        driver.manage().window().maximize();
15
16        driver.findElement(By.id("name")).sendKeys("Md. Alinur Hossain");
17        Thread.sleep(1000);
18
19        driver.findElement(By.id("email")).sendKeys("alinur116@gmail.com");
20        Thread.sleep(1000);
21
22        driver.findElement(By.id("user")).sendKeys("alinur1160");
23        Thread.sleep(1000);
24
25        driver.findElement(By.id("pass")).sendKeys("2569");
26        Thread.sleep(1000);
27
28        driver.findElement(By.id("cpass")).sendKeys("2569");
29        Thread.sleep(1000);
30
31        driver.findElement(By.id("male")).click();
32        Thread.sleep(1000);
33
34        driver.findElement(By.id("mobile")).sendKeys("597452136851");
35        Thread.sleep(1000);
36
37        driver.findElement(By.name("register")).click();
38        Thread.sleep(2000);
39        String at = "http://localhost/Webtech%20-%20VhojonBilash/View/Registration.php";
40        String et = driver.getCurrentUrl();
41        if(at.equals(et))
42        {
43            System.out.println("Test Successful");
44        }
45        else
46        {
47

```

Fig:2 – Testing Registration page using selenium

6.3 Meetings

Regular meetings between developers and testers play a vital role in creating a successful software product. Through effective collaboration and communication, developers and testers can discuss their roles, share ideas, clarify requirements, and identify potential issues early on in the development process. This leads to the early detection of bugs, improved software quality, a better understanding of user needs, and greater efficiency in the development cycle. Ultimately, regular meetings between developers and testers foster a collaborative working environment that helps to ensure a successful software product. For this reason, the test team will meet once or twice every week to evaluate the progress of each other. If there is any emergency, then extra meetings can also be arranged.

7. TEST CASES/TEST ITEMS

7.1 Registration:

Project Name: VojonBilash		Test Designed by: Faiza Tasnim		
Test Case ID: Registration_1		Test Designed date: 08/04/23		
Test Priority (Low, Medium, High): High		Test Executed by: Md. Alinur Hossain		
Module Name: Sign up		Test Execution date:09/04/23		
Test Title: Sign up with valid data.				
Description: Test the website for registration name, username, email, password, gender and mobile number.				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter name 3. Enter email 4. Enter username 5. Enter password 6. Retype password 7. Choose gender 8. Enter mobile number 9. Click submit	Username: alinur Gmail: alinur@gmail.com Password:12345 Confirm password: 12345	Users will be signed up to the website	As expected,	Pass
Post Condition: User is validated with database and account details are stored in the database.				

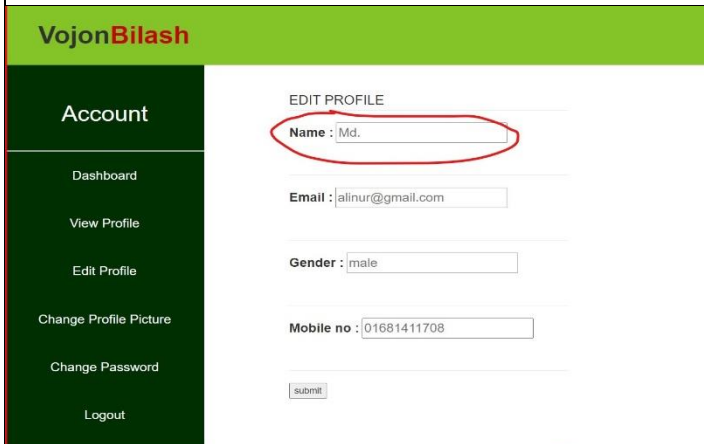
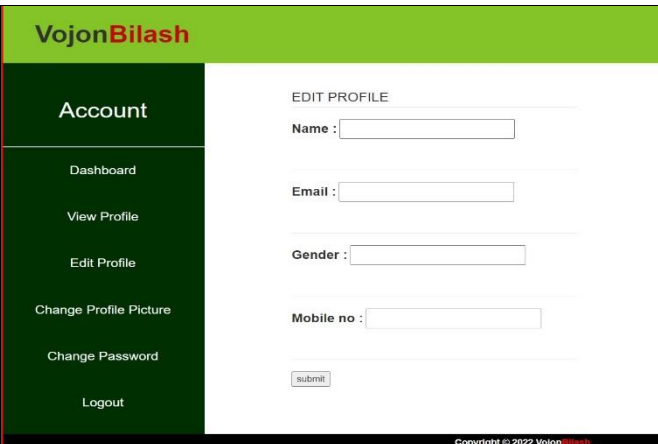
7.2 Log In:

Project Name: VojonBilash		Test Designed by: Faiza Tasnim		
Test Case ID: login_2		Test Designed date: 08/04/23		
Test Priority (Low, Medium, High): High		Test Executed by: Md. Alinur Hossain		
Module Name: Login		Test Execution date: 09/04/23		
Test Title: Verify login with valid data				
Description: Test website login page valid username and password.				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter email id 3. Enter password 4. Click submit	Username: alinur@gmail.com Password: 4567	User should login into the application	As expected,	Pass
Post Condition: User is validated with database and successfully login to account. The accountsession details are logged in the database.				

7.3 Logout:

Project Name: VojonBilash		Test Designed by: Faiza Tasnim		
Test Case ID: Logout_3		Test Designed date: 08/04/23		
Test Priority (Low, Medium, High): Medium		Test Executed by: Md. Alinur Hossain		
Module Name: Logout		Test Execution date: 09/04/23		
Test Title: Logout				
Description: Test the website Logout option				
Precondition (If any):				
Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1. Go to the site 2. Sign in to the website 3. Click the “Logout”button	No data needed.	User will be signed out from the system	As expected,	Pass
Post Condition: User goes back to the home page				

7.4 Edit profile:

Project Name: VojonBilash		Test Designed by: Faiza Tasnim		
Test Case ID: EditProfile_4		Test Designed date: 08/04/23		
Test Priority (Low, Medium, High): High		Test Executed by: Md. Alinur Hossain		
Module Name: Account		Test Execution date: 10/04/23		
Test Title: Test the edit profile feature				
Description: Change user Name, Email, Gender and Mobile number. if profile gets updated or not.				
Precondition (If any): User must have his/her account.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the site 2. log in to the software. 3. Go to the edit profile 4. Update the username or password	Username: alinur@gmail.com Password: 4567	Profile updated	Profile not updated	Fail
Post Condition: The updated Name, Email, Gender or Mobile Number has been stored in the database successfully.				
				
Placeholder tag was used to show the details in the text input area but somehow it was not working properly as it can be seen in the screenshot.		Most likely the Placeholder tag was not supporting the spaces between words and to avoid this bug we have removed the tag.		

7.5 Change password:

Project Name: VojonBilash		Test Designed by: Sadia Afrin Sara		
Test Case ID: ChangePassword_5		Test Designed date: 08/04/23		
Test Priority (Low, Medium, High): High		Test Executed by: Md. Alinur Hossain		
Module Name: Account		Test Execution date: 09/04/23		
Test Title: Test the change password				
Description: Password is updated or not.				
Precondition (If any): User must have his/her account.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. go to the site 2. log in to the software. 3. Go to the edit profile 4. Click the “change password” button	Old Password=4567 New Password=1234 Retype Password=1234	Password change successful	Password Updates Successfully	Pass
Post Condition: The updated password is stored in the database				

7.6 Food Searching:

Project Name: VojonBilash		Test Designed by: Sadia Afrin Sara		
Test Case ID: FoodSearching_6		Test Designed date: 08/04/23		
Test Priority (Low, Medium, High): High		Test Executed by: Md. Alinur Hossain		
Module Name: Food Menu		Test Execution date: 10/04/23		
Test Title: Food Search				
Description: Test the working criteria of search food				
Precondition (If any): Entire name of the food is not necessary. Some beginning words of the food name will show food suggestions.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the Restaurant 2. Click on search food suggestions 3. Enter food name	Search: fry or fr to see the results.	User should get the suggestions	As expected,	Pass
Post Condition: User got the suggestions as he/she wanted.				

7.7 Food Order:

Project Name: VhojonBilash				Test Designed by: Sadia Afrin Sara
Test Case ID: Food_Order_7				Test Designed date: 8/4/2023
Test Priority (Low, Medium, High): High				Test Executed by: Md Alinur Hossain
Module Name: Food Menu				Test Execution date: 10/4/2023
Test Title: Food order				
Description: Test website Food Order page				
Precondition (If any): User must add food into the cart or order list				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the Food Order. 2. Click add button next to a food.	Click Add	User should be able to add a food in the order list	As expected,	Pass
Post Condition: User has successfully added food in the order list.				

7.8 Delete Order:

Project Name: VhojonBilash				Test Designed by: Sadia Afrin Sara	
Test Case ID: Delete_Order_1				Test Designed date: 7/4/2023	
Test Priority (Low, Medium, High): High				Test Executed by: Md Alinur Hossain	
Module Name: Food Cart				Test Execution date: 9/4/2023	
Test Title: Delete order					
Description: Test the delete order					
Precondition (If any):					
Test Steps		Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the Food Order 2. Click Delete Order 3. Click Delete button next to a food.		Click Delete	User should be able to delete a food in the order list	As expected,	Pass
Post Condition: User has successfully deleted food item from the food order list.					

8. ITEM PASS/FAIL CRITERIA

We have conducted 8 test cases to find defects from the program. At first, when applying the test case to the system, 95% of the test cases were passed successfully and 5% test were failed. The test cases failed due to session related issue. However, after conducting the test cases, we have successfully solved the problem.

9. TEST DELIVERABLES

- o **Acceptance test plan:** The users who were conducting the acceptability tests has become successful. The program was easy to use and the interface were clean.
- o **System/Integration test plan:** System integration was completed successfully. All other modules, functionalities including the database were also working properly.
- o **Unit test plans/turnover documentation:** The unit testing was done successfully by the developers.
- o **Screen prototypes:** Several prototypes were made and done the testing in the initial stage of the design process.
- o **Report mock-ups:** Though, this is a project report, for this reason we have not created any mock-up reports.
- o **Defect/Incident reports and summaries:** We have found some defects in the software but those have been fixed while conducting tests.
- o **Test logs and turnover reports:** All of the tests were completed successfully. Bugs or defects were removed.

10. STAFFING AND TRAINING NEEDS

We have total 5 staffs for our test plan

- 1 Project manager
- 1 Quality Assurance Engineer
- 3 Developers

The developers and tester(s) will need to be trained on the basic operations of the EDI interface. This will include understanding the communication protocols, data formats, error handling, and other technical aspects of the interface. It is important that the team is fully trained on these topics in order to ensure the smooth integration of the solar tracking system with other systems in the energy grid. The Developers and Project manager must be familiar with how to use the test software. Furthermore, online dependency is not enough but also the knowledge about the testing should be applied. Developers need more effort to develop a software.

11. Responsibilities

Serial	Name	Role	Responsibilities
1	Md. Alinur Hossain	Project manager	<ol style="list-style-type: none"> 1. Acceptance test Documentation and Execution. 2. System and Detail Design Reviews. 3. Test procedure and rules. 4. Change control and regression testing.
2	Faiza Tasnim	Testing manager	<ol style="list-style-type: none"> 1. Every Test Documentation and Execution. 2. System and Detail Design Reviews. 3. Test procedure and rules. 4. Change control and regression testing.
3	Sharia Tasnim Adrita, Sadia Afrin Sara,	Developer team	<ol style="list-style-type: none"> 1. System/Integration and Unit test Documentation and Execution. 2. System and Detail Reviews. 3. Screen and Report prototype reviews. 4. Change control and Regression testing.
4	Sharia Tasnim Adrita, Sadia Afrin Sara, Faiza Tasnim,	Testing team	<ol style="list-style-type: none"> 1. Every Test Documentation and Execution. 2. System and Detail Design Reviews. 3. Test procedure and rules. 4. Change control and regression testing. 5. Screen and Report prototype reviews.

Project Plan:

Project Schedule:

Task Name	Duration	January 2023	February 2023	March 2023	April 2023	May 2023
Documentation	7 days					
-Initiation	1 day					
-Resource and planning	2 days					
-Quality planning	2 days					
-Contacting	2 days					
-Phase review	3 days					
Design	14 days					
Database						
-Design Database	4 days					
-Create table	3 days					
-Create SQL	6 days					
Coding						
-Develop system module	9 days					
-Integrate system module	4 days					
-Perform initial testing	2 days					
Testing						
-Test Plan	5 days					
-Unit Testing	5 days					
-Integration Testing	5 days					
-System testing	10 days					
-Acceptance Testing	5 days					
Project Completion						
-Feedback	7 days					

13. PLANNING RISKS AND CONTINGENCIES

Risk	Probability	Impact	Mitigation
Error in database	Low	Low	Testing the database related features frequently and maintain daily update.
Error in function	Low	Low	Testing the website frequently and maintain daily update.
Error while giving invalid input	Medium	Medium	The users or testers have to test the input fields regularly by giving correct input data.
Loss of Data	High	High	Maintain security checkup regularly.

14. APROVALS

Project Sponsor	Pass
Development Management	Pass
EDI Project Manager	Pass
RS Test Manager	Pass
RS Development	Pass
Reassigned Sales	Pass
Order Entry EDI team Manager	Pass

Meeting:

Meet - yss-bmtj-hvp

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American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

Spring 22 23

Section: A

Software Quality Assurance and Testing

VojonBilash

A Report submitted By

SN	Student Name	Student ID
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2	Md. Alinur Hossain	20-41855-1
3	Sadia Afrin Sara	20-41834-1

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7:14 PM 4/19/2023

Participants: Sadia Sara, Faiza Tasnim, Md. Shahanewaj Shaikh, Adi Tasnim, You.