American International University-Bangladesh (AIUB)

Department of Computer Science
Faculty of Science &Technology (FST) Summer
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Section: F

Software Quality Assurance and Testing

Food Panda

A Report submitted
By

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Under the supervision of

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Faculty Member

Software Test Plan

for

Food Panda
Version 1.0 approved

Prepared by,

1. MD RAKIB HASAN

American International University-Bangladesh (AIUB)
25-Aug-2022

Checked By Industry Personnel

Name:

Designation:

Company:

Sign:

Date:

Table of Contents

1. TEST PLAN IDENTIFIER: FoodPanda1.3

2. REFERENCES

   a) https://www.foodpanda.com.bd/
   b) What is Postman Automation? - GeeksforGeeks
   c) https://www.postman.com/automated-testing/

3. INTRODUCTION

3.1 Background to the Problem

If you want to eat generally you have to go to a restaurant or a hotel. And you have to get dressed up for the occasion or worry about your hair situation. Moreover, if you are a student and you lead a bachelor life you have to be worry about your daily breakfast or snakes. Sometimes one has to consume instant food for taking their medicines and on this time, they do not get a proper solution.

3.2 Solution to the Problem

Here the main goal of Food Panda is to make people's life easy going. You don't have to get dressed up for the occasion or worry about your hair situation, because you'll be staying in the cozy confines of your own home. Just pick up the phone, place an order and your friendly local delivery driver will bring you yummy food. That is how Food panda makes our lives easy.

4. REQUEIREMNT SPECIFICATION

System Features

4.1 Sign Up:

Functional Requirements
1. System allows new user to get sign up to the system.

2. User have to provide their first name, last name, email, phone number and reason for choosing us
3. A verification code will be sent to the user email or phone number to verify their ID.
4. If verification is successful than they are registered to the system, if not verified then verification code is sent again.

Priority level: High.
Precondition: User have valid email address or phone number

4.2 Login:

Functional Requirements
1. If user is already registered to the system, then he/she can directly login to the system by providing his/her email or phone number and password.
2. If by mistakenly email/phone number or password is wrong more than 3 times then system will not allow to login to the system and will send verification code to the user to reset the account.

Priority level: High.
Precondition: User have valid student id and password.

4.3 View Food Items:

Functional Requirements

1. User can see different food items

2. System will show the food items details including price.
3. If the food item is not in the list or any wrong food name is entered than food name   will not showed in the list

Priority level: High.

Precondition: User logged in and provided correct food name

4.4 Add to Cart:

Functional Requirements

1. After selecting the food items if user select add to cart option, then food items will be added in add cart page
2. User can select more than one food items in the add cart option according to their choice

Priority level: High.

Precondition: Select more than one items or only one from the food items

4.5 Payment Method:

Functional Requirements

1. After selecting the food items in the add cart and then they have to payment their cash

2. System provides multiple online payment method like Bkash and credit card from which user can select suitable one and complete the payment method

Priority level: High.

Precondition: Items should be added to the cart Cash Payment

4.6 Confirm Address:

Functional Requirements

1. After add payment method user have to confirm their address
2. Then user can confirm their order

Priority level: High.
Precondition: User should add payment method

4.7 Menu:

Functional Requirements

1. System provides menu option where student can find many options like Favorites, settings, address, challenges and rewards, profile, vouchers, help center, privacy, logout

Priority level: Low

Precondition: Student have to logged in to the system

4.8 Settings:

Functional Requirements

1. System provides setting option in menu bar
2. In setting section user can change the language, floating icon, receive push notifications, receive offers by email

Priority level: Low

Precondition: User have logged in and went to system menu

4.9 Change Password:

Functional Requirements

1. System provides change password option where student can change their password if they want

Priority level: Medium

Precondition: Student have to logged into the system then went to system menu after that go to profile option

4.10 Update Profile:

Functional Requirements

1. User can update their profile details
2. User can find profile option in menu bar where they can update their profile like email, name, mobile number also change the password.

Priority level: Low

Precondition: User have logged in and went to system menu

5. FEATURES NOT TO BE TESTED

The following is a list of the areas that will not be specifically addressed. All testing in these areas will be indirect as a result of other testing efforts. For example:

- A student/User can contact manager. In our Kiosk application there is a feature where a user can contact manager through messaging. This feature is not to be tested in this release of the software.

- An employee can complain about the student mentioning the university id of the students. The feature is yet to be tested.

- A user can add vouchers during the payment. It will be released but not tested as a functional part of the release of this version of the software.

6. TESTING APPROACH

- **Unit Testing:**
- **Integration Testing:**
- **System Testing:**
- **Acceptance Testing:**

6.1 Testing Levels

- **SYSTEM/INTEGRATION** Testing is performed by the test manager and development team leader with assistance from the individual developers PRN. Programs will enter into System/Integration test finally critical defects are corrected. there's a bit around for the error.

- **UNIT TESTING** is done by the developer, then the results are visiting be authorized by the team lead. Before unit testing is additionally accepted and passed on to the test person, the programmer must submit proof of unit testing (test case list, sample output, data printouts, defect information). The test person will receive all unit test information moreover.

- **ACCEPTANCE** The customer will do ACCEPTANCE testing with the assistance of the test manager and development team leader. After the System/Integration test is completed, the acceptance test will run in parallel with the prevailing manual process for two weeks.

6.2 Test Tools

Here, for the testing purpose Postman, a solid testing tool was used to test the connection from code to the browser. Since Postman is easy to use and update things from the database, the executed results were right and also not so time consuming. Using Postman, the test results were seen quicker than the browser itself.

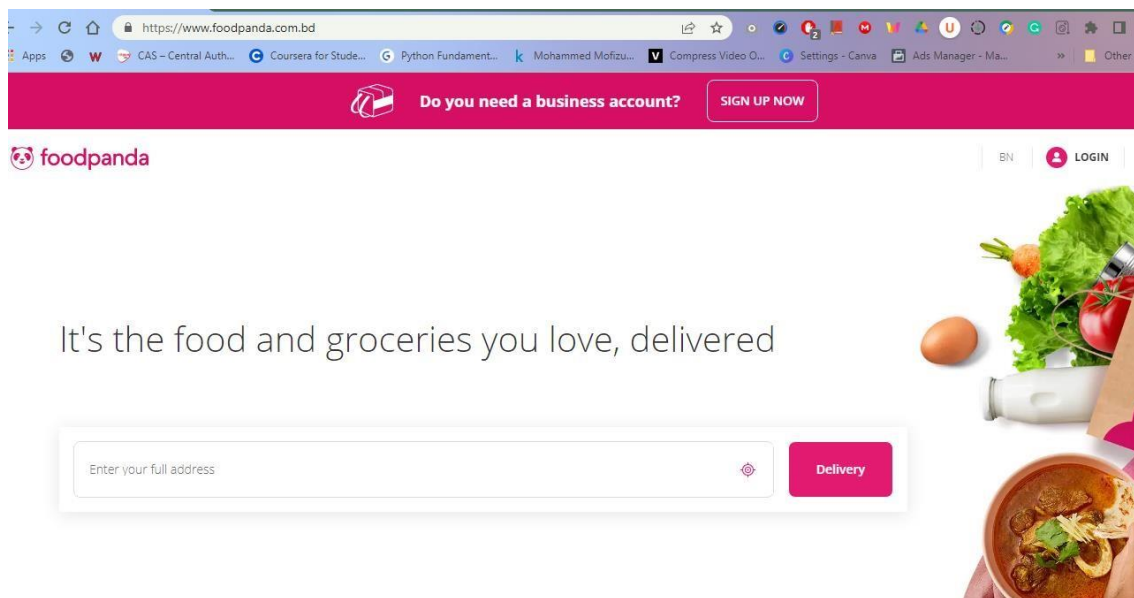## ⊞ Postman- Testing tool

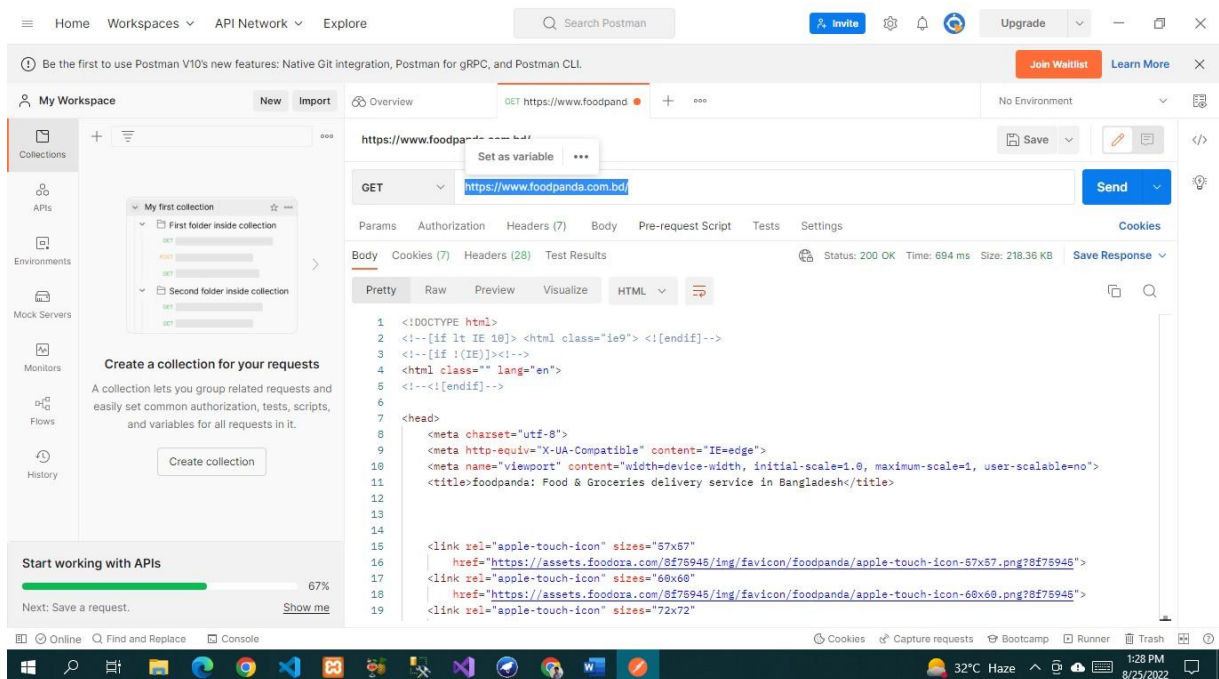*Fig.01: Food Panda Open in Chrome Browser*

Fig.02: Food Panda tested connectivity on Postman testing tool

6.3 Meetings:

This entire project duration is 1 weeks. Every day our group member was met to discuss about project advancements and every group member suggestion for improving functionality. Additional meetings were called as needed for emergency situations.

7. TEST CASES/TEST ITEMS (Food Panda)

7.1 <u>Sign Up:</u>

This Test case is for testing the sign-up details

Project Name: Smart Canteen of AIUB			Test Designed by: Md Rakib Hasan	
Test Case ID: FP_01			Test Designed date: 24 August, 2022	
Test Priority (Low, Medium, High): High			Test Executed by: Mahja Bin khondokar	
Module Name: Sign Up			Test Execution date: 24 August, 2022	
Test Title: Verify sign up sending verification code				
Description: Test the sign-up verification				
Precondition: User should have valid email or phone number				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website sign up page 2. Enter first name 3. Enter last name 4. Enter valid email 5. Enter valid phone number 6. Select reason for choosing us 7. Click sign up	First Name: Mahjabin Last Name: Khondokar Email: mahjabin@gmail.com Phone no:0125478965	Verification code should be sent to the user email or phone no	As expected,	Pass
Post Condition: User should get the verification code and confirm it and get sign up in to the system successfully.				

7.2 <u>Login:</u>

This Test case tests the login that a student can login using their id and password

Project Name: Food Panda	Test Designed by Md Rakib Hasan
Test Case ID: FP_02	Test Designed date: 21 August, 2022

Test Priority (Low, Medium, High): High			Test Executed by: Md Rakib Hasan	
Module Name: Login			Test Execution date: 21 August, 2022	
Test Title: Verify login with valid email or phone number and password				
Description: Test the system login				
Precondition: User should have registered mail address/phone number and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the login page 2. Enter valid email/ phone number 3. Enter password 4. Click login	Email: mahjabin@gmail.com or Phone:0125478965 password: 123	User should login to the system	As expected,	Pass
Post Condition: User should have logged in to the system successfully				

7.3 View Food List

This Test case will check that the feature is showing all the product with their corresponding details or not

Project Name: Food Panda		Test Designed by: Md Rakib Hasan
Test Case ID: FP_03		Test Designed date: 21 August, 2022
Test Priority (Low, Medium, High): High		Test Executed by: Most. Kaniz Ayesha
Module Name: View Food List		Test Execution date: 21 August, 2022
Test Title: Showing all the product with their corresponding details		
Description: Test all the products are visible or not		
Precondition: Login		

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)

Test Steps		Expected Results	Actual Results	Status
1. Go to the website in Food Panda 2. Login to the page 3. Go to the Food page		User should see all the food items in details with the price	As expected,	Pass
Post Condition:				

7.4 Add to Cart

This Test case is for checking the user whether he/she can order multiple food items.

Project Name: Food Panda	Test Designed by: Md Rakib Hasan
Test Case ID: FP_04	Test Designed date: 19 August, 2022
Test Priority (Low, Medium, High): High	Test Executed by: Anindita Biswas Ani
Module Name: Add to cart	Test Execution date: 19 August, 2022
Test Title: Adding items in the cart	
Description: Test whether multiple items are added in the cart	
Precondition (If any): Select more than one items from the food items	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the Food Panda page. **2.** Select multiple food items.		User should see all the selected items on cart.	As expected,	Pass
Post Condition:				

7.5 Payment Method

This Test case tests the payment method. There is used two types of payment method. Users can either pay with cash or using mobile banking named Bkash.

Project Name: Food Panda	Test Designed by: Md Rakib Hasan
Test Case ID: FP_05	Test Designed date: 22 August, 2022

Test Priority (Low, Medium, High): High			Test Executed by: Md Rakib Hasan	
Module Name: Cash Payment Method			Test Execution date: 22 August, 2022	
Test Title: Showing options for paying with cash				
Description: Test Bkash cash validation				
Precondition (If any): Items should be added to the cart.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Add 1 burger and 1 coke 2. Pay with Bkash.	Pay 145 BDT by Bkash	The system must accept cash 145 BDT	As expected,	Pass
Post Condition:				

7.6 Menu

This Test case is for checking the user whether he/she can show all menu option

Project Name: Food Panda			Test Designed by Md Rakib Hasan	
Test Case ID: FP_06			Test Designed date: 24 August, 2022	
Test Priority (Low, Medium, High): Medium			Test Executed by: Mahja Bin khondokar	
Module Name: Menu			Test Execution date: 24, August, 2022	
Test Title: Showing menu option				
Description: Test all the menu option				
Precondition (If any): Login				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website page 2. Login to the page 3. Go to menu option		In menu User can find many options like setting, profile, vouchers, help center, privacy, logout	As expected,	Pass
Post Condition:				

7.7 Settings:

The test case is for the settings options

Project Name: Food Panda	Test Designed by: Md Rakib Hasan
Test Case ID: FP_07	Test Designed date: 23 August,
	2022
Test Priority (Low, Medium, High): Low	Test Executed by: Rabeya Akter Ripa
Module Name: Settings	Test Execution date: 23 August, 2022
Test Title: Test all the settings option	
Description: Test all the orders are visible or not	
Precondition: User have logged in and went to system menu	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to Food Panda page 2. Login to the page 3. Go to menu bar 4. Then from menu option click setting option	.	In setting section user can change the language, floating icon, receive push notifications, receive offers by email	As expected,	Fail
Post Condition:				

7.8 Change Password

This Test case is for Change password

Project Name: Food Panda	Test Designed by Md Rakib Hasan
Test Case ID: FP_08	Test Designed date: 24 August, 2022
Test Priority (Low, Medium, High): Medium	Test Executed by: Mahja Bin khondokar
Module Name: Change password	Test Execution date: 24 August, 2022
Test Title: Test the changing password	

Description: Test the password is changing or not				
Precondition: Student have to logged into the system then went to system menu after that go to profile option				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Login to the website 2. Go to menu option 3. Then from menu option go to profile option	Password: 45897	Password should be added by the user and stored in database.	As expected,	Pass
Post Condition: Database should be updated password				

7.9 Update Profile:

This Test case is for update the profile

Project Name: Food Panda	Test Designed by Md Rakib Hasan
Test Case ID: FP_09	Test Designed date: 24 August, 2022
Test Priority (Low, Medium, High): Low	Test Executed by: Mahja Bin Khondokar
Module Name: Update Profile	Test Execution date: 24 August, 2022
Test Title: Test the update profile	
Description: Test the profile is update or not	
Precondition: User have logged in and went to system menu	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Login to the website 2. Go to menu option 3. Click profile option	Email: mahjabin@gmail.com First Name: Mahjabin Last Name: Khondokar Phone No: 0124578954	User provide information email and phone number should be verified and User edit their name and click save it will show that the profile is update	As expected,	Pass
Post Condition: After changing their name email, phone number profile show is update				

8. ITEM PASS/FAIL CRITERIA

Total 8 test cases were implemented for the Food Panda. Firstly, when applied the test case to system at the unit testing, 95% of the test cases were passed successfully. But unfortunately, 5% were failed. The test cases were failing due to some query related issues on the database. When the test cases were applied after solving query related problem, all the test cases were successfully executed and thus passed the test.

9. TEST DELIVERABLES

- Test plan
- Test results documents
- Test summary
- Defect reports and summaries

10. TESTING SCHEDULE

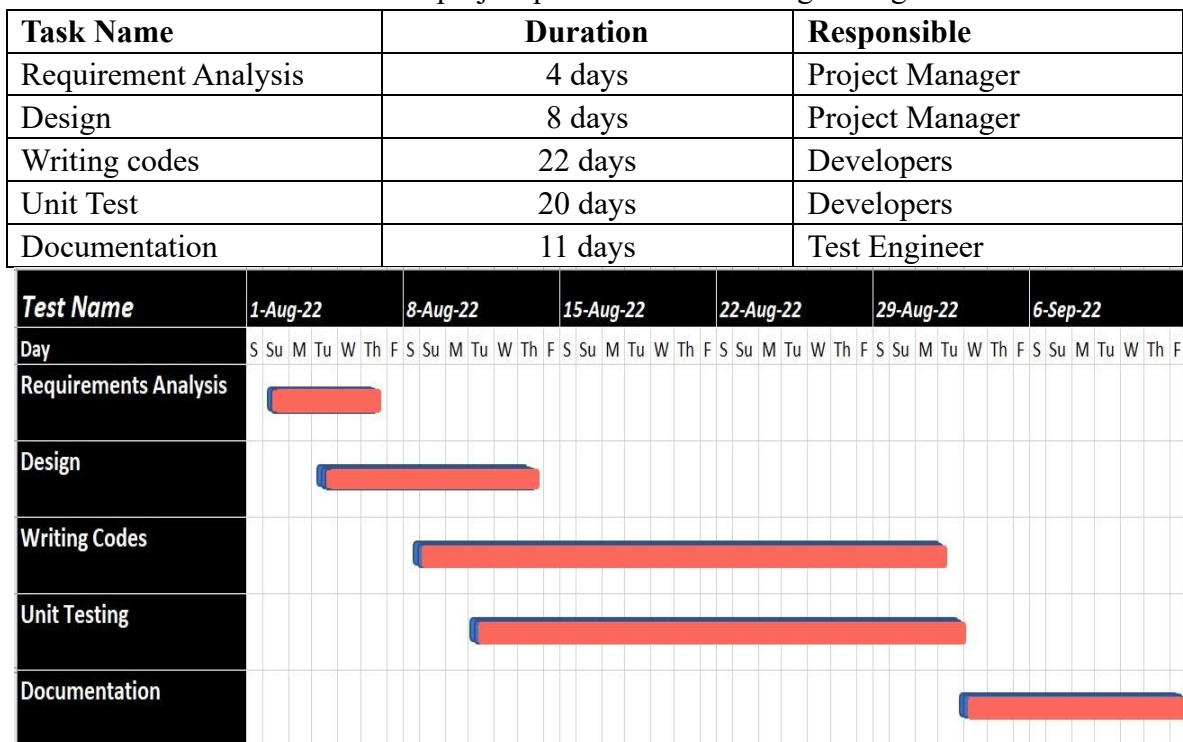Time has been allocated within the project plan for the following testing activities.

Task Name	Duration	Responsible
Requirement Analysis	4 days	Project Manager
Design	8 days	Project Manager
Writing codes	22 days	Developers
Unit Test	20 days	Developers
Documentation	11 days	Test Engineer

Fig.08: Test Schedule

11. PLANNING RISKS AND CONTINGENCIES

Since both the hardware and the software have to work together, This Food Panda may costly and the maintenance can be a hassle. Person to person interaction is very limited. Since it is selfservice system, the user must be careful during the selection of food items.