



American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

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Section: D

Software Quality Assurance and Testing

Developing a test plan for Food Shop System

Report submitted by

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# Software Test Plan

for

# Food Shop System

Version 1.0 approved

Prepared by

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**American International University-Bangladesh**

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## Revision History

Revision	Date	Updated by	Update Comments
Perform Test Execution	27/11/2022	Zeba	As there were much functions and features so there needs much time to execute test or perform test cases
Requirement Specification	29/11/2022	Badhan	Customers Information is not a high priority test. For this system it is medium priority.

Login Test	30/11/2022	Era	Setting correct user input as previously wrong user was taken
Completing about test report	07/12/2022	Manni	Could not able to complete test report so extend 1day.

## 1. TEST PLAN IDENTIFIER: TP\_FSMS\_1.0

## 2. REFERENCES

1. Introduction
  - Quality objective
  - Module Name
  - Test Priority
  - Role and Responsibilities
2. Test Methodology
  - Test Levels
  - Test Data
  - Test completeness
3. Test Deliverables
4. Testing Tools
5. Test Environment

### 3. INTRODUCTION

This document is master test plan for food shop system which is developed by us. This is a details test plan which will check different components of the system under specified conditions to verify that it satisfies specified requirements. This document includes test items, software risk issues, features which will be tested, approach of the tests etc.

#### Background to the Problem

- It's time consuming to go to the shop.
- Sometimes people are not able to go outside for their sickness.
- Sometimes for the bad weather it's not possible to get out.

#### Solution to the Problem

- Now we can buy food from home
- We can save our time
- We can order anytime
- Name and price are given of all food with ingrediencies
- Can pay online system

### 4. REQUIREMENT SPECIFICATION

#### 4.1 System Features

- Login system.
  - The software shall allow users to login with their given username and password

- If the username and/or password has been inserted wrong for more than three times, the random verification code will be generated by the system to retry login.
- If the number of login attempt exceed its limit (5 times), the system shall block the user account login for one hour

**Priority Level: High**

- The software support multiple customers at a time
  - The software shall allow multiple users at a time.
  - Multiple customers will add food at same time
  - If the number of customers exceed 500 then it will crash

**Priority level: medium**

- System registration
  - The software shall allow users to registration by providing their email username and password
  - If the username already uses by anyone then the system shall give an error
  - Without giving proper username user shall not register

**Priority level: high**

- This software stores all customer's information.
  - After making purchase the system shall store the information of the customer.
  - The system shall store the payment history of the customer

**Priority level: medium**

- Admin can edit and update all the information.
  - The software shall allow the admin to update or delete any kind of information.
  - The software shall notify the customer when the admin edits or update the transition history. Without the approval admin cannot edit the transition history.

#### Priority level: low

- Add delete and update products status.
  - The software shall allow the manager to add, delete or update product.
  - If the product already added then the software shall give an error. Then the manager only able to edit or update the product.

#### Priority level: medium

- This software support online transaction.
  - The software shall allow customer to pay online. to login with their given username and password
  - Without giving the proper transition input the system shall not allow customer purchase
  - After making the transition the software shall store the payment history.

#### Priority level: high

- This software support food availability information
  - The software shall store the food availability information and the manager can show the details information of the particular food.

#### Priority level: low

## 4.2 System Quality Attributes

- ✓ Security: It is very secure so that no one's data is exposed or hack the system.
- ✓ Usability: A trained user can choose & buy food within 3 minutes.
- ✓ Reliability: This software can service 7/24.
- ✓ Efficiency: A 64-bit operating system like Windows 10 or later and 4 GB RAM or mor

## 4.3 System Interface

User Interface Design:

**Place Order**

Category: Fast Food

Search:

Chicken Bon  
Beef Pizza  
beef roll

**Item Name** Price  
pizza 185

Quantity: 1 Total: 185

Add to Cart

Item Name	Unit Price	Quantity	Price
pizza	185	1	185

Remove

Grand Total  
Tk.185

Receipt Calculator

DEL CE C +/-

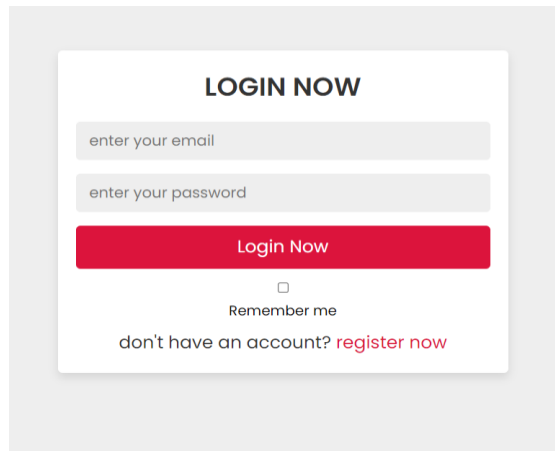
7 8 9 \*

4 5 6 -

1 2 3 \*

0 . = /

PAY PRINT



**LOGIN NOW**

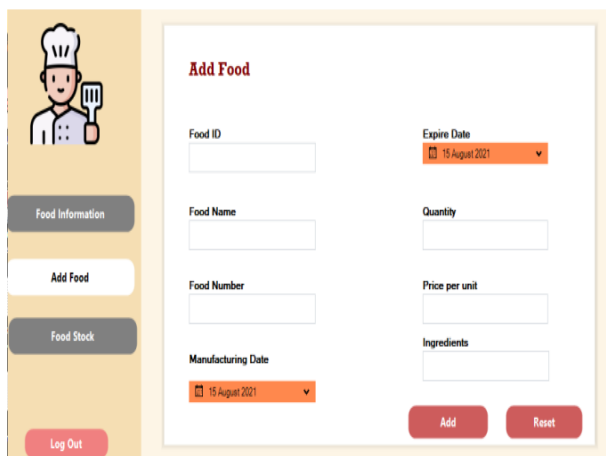
enter your email

enter your password

Login Now

☐ Remember me

don't have an account? [register now](#)



**Add Food**

Food ID

Food Name

Food Number

Manufacturing Date

Expire Date

Quantity

Price per unit

Ingredients

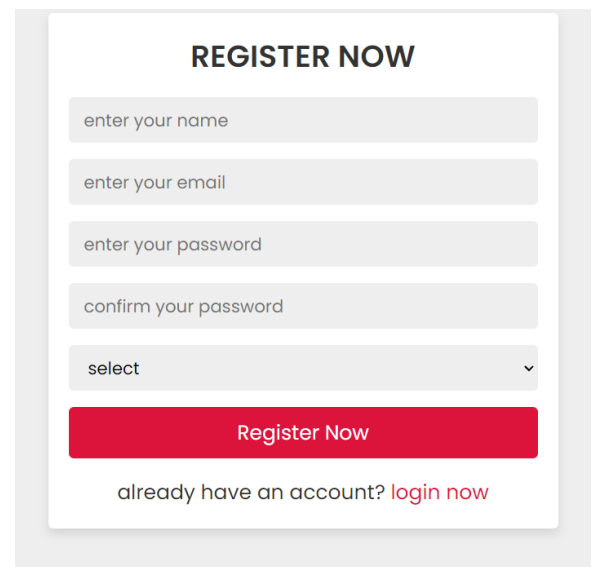
Add Reset

Food Information

Add Food

Food Stock

Log Out



**REGISTER NOW**

enter your name

enter your email

enter your password

confirm your password

select

Register Now

already have an account? [login now](#)

## 4.4 Project Requirements

### Environment & resource needs

- Microsoft Windows 7 with Service Pack 1 or higher.
- Intel Core i3 or higher. (7th generation)
- 4 GB of RAM (minimum).
- 128 GB of free disk space for installation
- 1024 × 768 or higher display resolution.
- Mouse and keyboard

### Software Requirements:



- Automated Testing tool: selenium.
- GUI Testing: Java 1.4+
- Web Browsers: Internet Explorer/ Mozilla Firefox/ Google Chrome.
- Database: MySQL 5.7.12, 8.0.12+
- Eclipse/Microsoft Visual Studio/Microsoft Visual Studio code.
- Microsoft Office (2007 or later).
- AS/400

Total Budget:

Project Stages		Percentage of overall Budget	\$100,000
Planning and Documentation	<b>Development</b>	10%	\$10,000
Development		20%	\$20,000
Scope Changes		20%	\$20,000
Project Management		20%	\$20,000
Testing		20%	\$20,000
Server		10%	\$10,000

## 5. FEATURES NOT TO BE TESTED

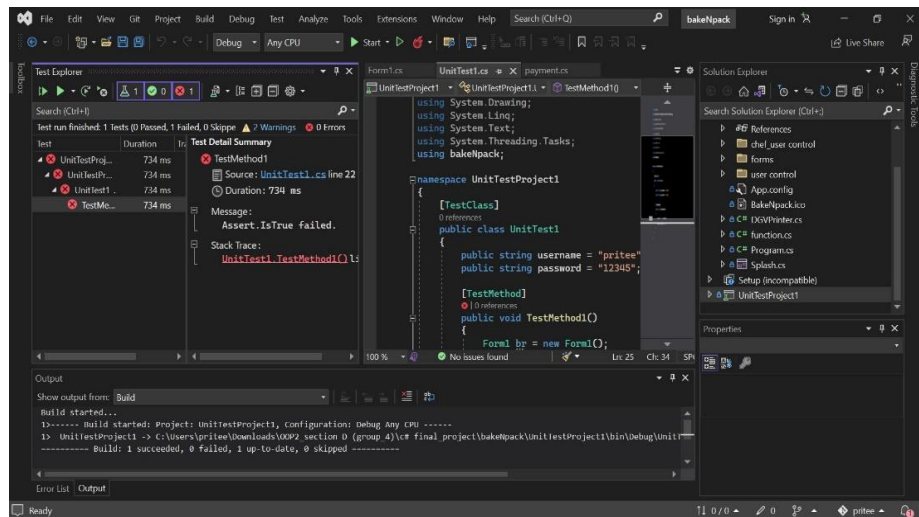
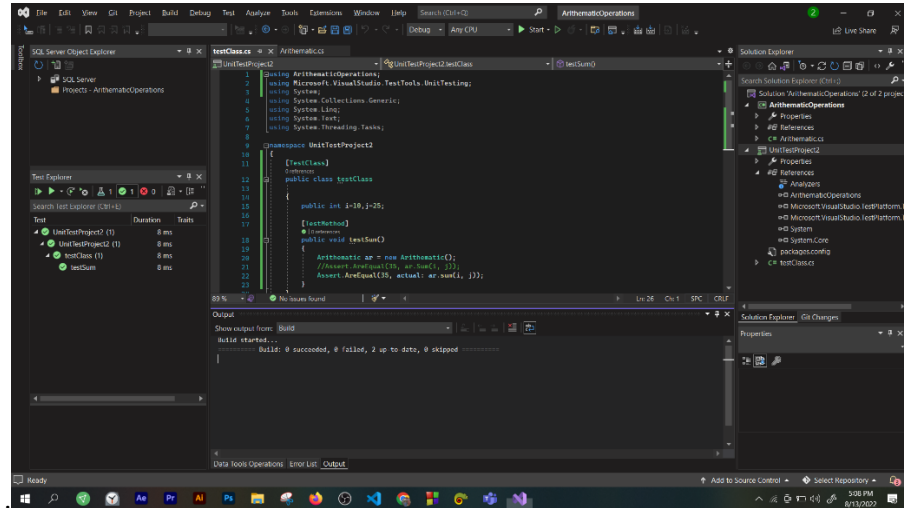
These are the features that will be used in future on the system.

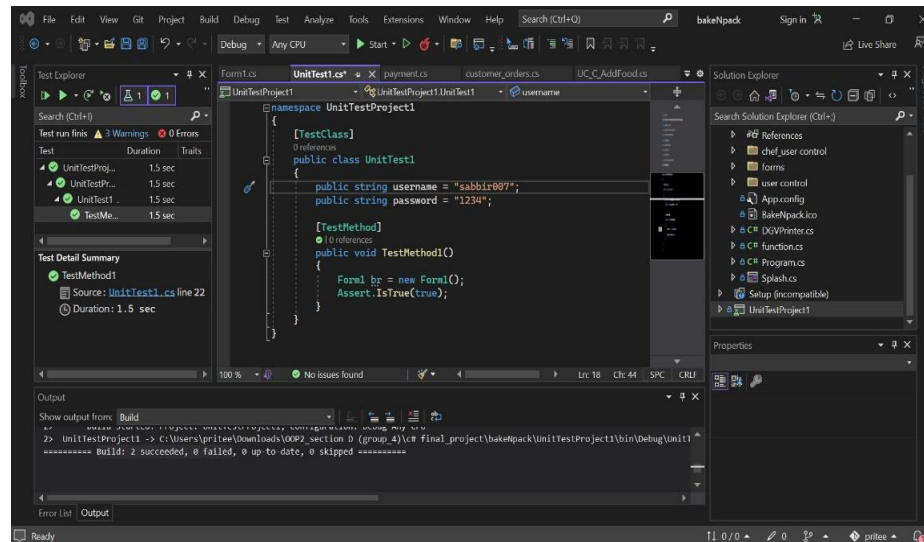
- ❖ 24/7 service (Provide service in every single min in every situation).
- ❖ User interface is clean and user friendly.
- ❖ Display user interface is fully functional (Every single button works perfectly).
- ❖ Multiple food selected at a time.
- ❖ Support next and previous navigation during purchase process.

## 6. TESTING APPROACH

### 6.1 Testing Levels

#### ➤ UNIT Testing





## ➤ ACCEPTANCE testing

Test Plan:

Introduction: Acceptance Test plan for a unit

Acceptance Test Category: UAT

For each category of acceptance criteria:

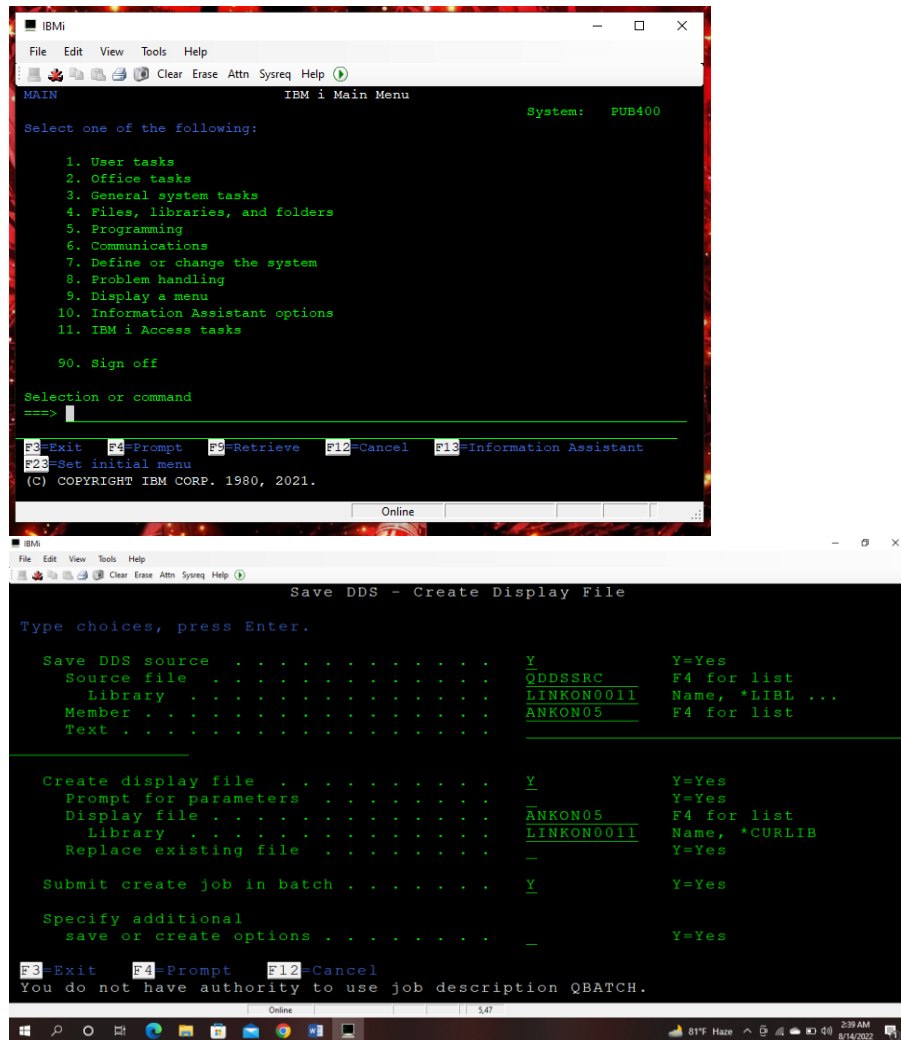
- a. Operation environment: Visual Studio
- b. Test case specification:
  - i. Test case Id: FSMS010
  - ii. Test Title: add items by admin
  - iii. Test objective: items inputted by admin is storing or not
  - iv. Test procedure:
    1. Go to add item
    2. Fill name, category and price
    3. Press Add items
    4. Check item added on list

Schedule:

Human resources: developers

## 6.2 Test Tools

We use AS/400 for testing purpose



## 6.3 Meetings

Topics	Key points	Time	Date
<b>Welcome and open thoughts</b>	Introduce each other and offer opening thought to start the project	15 min	20-11-2022
<b>Consent outline</b>	We learn fundraiser review. Select the test plan identifier.	30 min	21-11-2022
<b>Discussion of strategic initiative</b>	Question answer session what problem we facing and the solution	1 hour	24-11-2022
<b>Progress</b>	Progress of every group mate and the deadline	20-25 min	26-11-2022
<b>Outstanding issues</b>	Opportunity to brainstorm on issue that are unresolved. Open floor meeting	1 hour	28-11-2022
<b>Deadly bite</b>	Meeting run time 30 min. the expected outcome is to reach the point to finish the project. And any kind of change needed or not. Set skeleton of the project.	30 min	01-12-2022
<b>The End</b>	Final submission and documentation	20 min	07-12-2022

## 7.TEST CASES/TEST ITEMS

Project Name: TP_FSMS		Test Designed by: Badhon		
Test Case ID: FSMS008		Test Designed date:03/12/22		
Test Priority (Low, Medium, High): high		Test Executed by: Era		
Module Name: Login		Test Execution date: 03/12/22		
Test Title: verify login with valid username and password				
Description: Test login page				
Precondition (If any): User must have valid username and password				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter username 3. Enter password 4. Click submit	Username: sabbir007  Password: 1234	User should login into the application	As expected,	Pass
Post Condition: User is validated with database and successfully login to account.				

Project Name: TP_FSMS		Test Designed by: Zeba		
Test Priority (Low, Medium, High): High		Test Executed by: Manni		
Module Name: Unit Test		Test Execution date: 03/12/22		
Test Title: add item by admin				
Description: add items Function Test				
Precondition (If any):				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1.go to VS &open project 2.add unit project into the main project 3. inherit add item function 4.take input 5.run all the test case	Name: string  Category: string  Price: integer	successful.	As expected,	Pass
Post Condition: Users have project files and successfully add unit test tools.				

## 7. ITEM PASS/FAIL CRITERIA

**Item is considered as passed if it passes 95% of test cases of the test suite. Other it's considered a failure.**

## 8. TEST DELIVERABLES

**The following will be delivered**

- ✓ Test Plan
- ✓ Test Cases
- ✓ Test Scripts
- ✓ Test Data
- ✓ Execution Log

## 9. STAFFING AND TRAINING NEEDS

**Two full time professional experienced tester required for this project. Each of them trains a batch consist of five testers for this project.**

## 10. RESPONSIBILITIES

Role	Responsibilities
<b>Project test lead</b>	Oversight of testing on the project, quality control of quality assurance
<b>Testing Manager</b>	Conducting quality assurance testing, executing test plan
<b>Test Designer</b>	Creation of test scripts, scenarios
<b>Test Approver</b>	Reviewing, validating and approving test materials
<b>Tester</b>	Executing test scripts and reporting results
<b>Reviewer</b>	Reviewing report from the tester and do the follow-up actions

## 11. TESTING SCHEDULE

	November 18	20	21	22	23	24	25	26	28	29	December 1	2	3	4	5	6	8
<b>Make a plan</b>																	
<b>Meeting with the QA engineer</b>																	
<b>Making Test specification</b>																	
<b>Train up employee</b>																	
<b>Perform Test Execution</b>																	
<b>Milestone</b>																	
<b>Test Report</b>																	



<b>Complete Testing TP_FSMS_1.0 and Delivery</b>																			
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## 12. PLANNING RISKS AND CONTINGENCIES

<b>Risk</b>	<b>Mitigation Plan</b>
<b>Lack of required skill</b>	swap out for a skilled worker or provide job training
<b>Late submission of information, delays in document approval</b>	meeting preparation and organization guidelines, including the early distribution of schedules and information
<b>Incorrect or incomplete requirements</b>	dividing up the development process into brief iterations and regular displays of new functionality
<b>Change in requirements during development</b>	Fixing the basic requirement in contract

## 13. APROVALS

<b><u>NAME</u></b>	<b><u>DESIGNATION</u></b>	<b><u>DATE</u></b>	<b><u>SIGN</u></b>
	Test lead		
	Project Manager		
	Development Manager		
	SQA Engineer		