American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science &Technology (FST)

Spring 2023-24

Section:

Software Quality Assurance and Testing

Online Food Ordering System

A Report submitted by:

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Under the supervision of

Md. Anwarul Kabir
Associate Professor

Software Test Plan

for

Online Food Ordering System

Version 1.0 approved

Prepared by: Dosina Dolon Dola, Md. Mohtasim Fuad, Tuyan Jamamim, Efaz Rahman Opi

American International University-Bangladesh

15th May, 2024

Checked By Industry Personnel

Name:

Designation:

Company:

Sign:

Date:

1. INTRODUCTION

Background to the Problem

Traditional methods of ordering food, such as over the phone or in person, are gradually being replaced by online food ordering systems. These platforms provide convenience, efficiency, and a wide variety of choices to consumers, while also offering significant benefits to restaurants and food establishments. However, the transition to online food ordering isn't without its challenges. Many restaurants and customers face issues such as inaccurate orders, delayed deliveries, and limited payment options when using these platforms. Moreover, with the increasing popularity of food delivery services, there's a growing demand for seamless integration between restaurants, delivery partners, and consumers.

The root cause of the challenges faced in online food ordering systems lies in the complexity of coordinating multiple stakeholders in real-time. Traditional food ordering processes relied heavily on manual communication between customers, restaurants, and delivery personnel, leading to inefficiencies and errors. The shift to online platforms exacerbated these issues, as they introduced new layers of technology and communication channels.

Solution to the Problem

To address the challenges in online food ordering systems, we propose implementing a comprehensive solution that integrates advanced technology, streamlined processes, and user-centric design principles.

- Develop a robust order management system that facilitates seamless communication between customers, restaurants, and delivery partners.
- Design an intuitive and user-friendly interface for both customers and restaurant staff to navigate the ordering process effortlessly.
- Collaborate with third-party delivery services or develop an in-house delivery network to streamline the delivery process
- Utilize data analytics tools to gather insights into customer preferences, ordering patterns, and operational performance.
- Implement a responsive customer support system with multiple channels for assistance, including live chat, email, and phone support.

This solution is particularly appropriate to solve the problem because it addresses the root causes of inefficiencies in online food ordering systems by leveraging technology to streamline processes, enhance user experience, and optimize resource allocation.

Feasibility: The proposed solution is feasible to meet the business objectives, as it leverages existing technology and best practices in the field of online ordering systems. Many of the components, such as order management systems, user interfaces, and delivery tracking tools, are already available as off-the-shelf solutions or can be customized to meet specific business requirements.

Several existing software solutions address the challenges in online food ordering systems, ranging from standalone order management platforms to comprehensive restaurant management suites. Some popular examples include:

- Grubhub: It offers features such as order tracking, delivery scheduling, and customer support.
- Toast POS: A restaurant management platform that includes online ordering capabilities, inventory management, and analytics tools.
- Uber Eats: It provides real-time tracking, flexible delivery options, and customer support features.

2. REQUEIREMNT SPECIFICATION

2.1 System Features

1. **System Login**
   1.1. The software shall allow customers to login with their provided username and password.

   1.2. If the username and/or password are entered incorrectly for more than three times, the system shall prompt the user to enter a verification code generated by the system to retry login.
   1.3. If the number of login attempts exceeds its limit (5 times), the system shall temporarily block the customer's account login for one hour. [Optional function, subject to business decision]

Priority Level: High

Precondition: User has a valid email, username and password.

2. **Menu Management and Display**
   2.1. Easy menu updating for restaurants, including adding, editing, or removing items.
   2.2. Clear display of dish names, descriptions, prices, and images.
   2.3. Ability to categorize items by cuisine type, dietary preferences, or popularity.

Priority Level: High

Precondition: User must Login With their Id.

3. **Ordering Process**
   3.1. Smooth order placement with minimal steps.
   3.2. Customization options for modifying dishes (e.g., toppings, spice level).
   3.3. Seamless integration of shopping cart for adding, reviewing, and editing orders.

Priority Level: High

Precondition: User must Login With their Id

4. **Order Tracking and Status Updates**
   4.1. Real-time tracking of order status from confirmation to delivery.
   4.2. Notifications for order confirmation, preparation, dispatch, and delivery.
   4.3. Estimated delivery time displayed during checkout and updated dynamically.

Priority Level: High

Precondition: User must Login With their Id and order something.

5. **Customer Accounts and History**

5.1. Account creation for storing personal details, addresses, and order history.
5.2. Access to past orders for easy reordering or reference.
5.3. Ability to save favorite items or restaurants for quick access.

Priority Level: High
Precondition: User must Login With their Id and order something.

6. Payment and Checkout

6.1. Secure payment gateway integration with multiple options (credit/debit cards, digital wallets).
6.2. Smooth checkout process with saved payment details for returning customers.
6.3. Support for promo codes, discounts, and gift cards.

2.2 System Quality Attributes

Usability: Users shall be able to place an order within a few minutes without confusion. The interface shall be intuitive for both novice and experienced users. Accessibility features shall be provided for users with disabilities.

Reliability: The system shall be available 24/7 with minimal downtime for maintenance. Orders shall be accurately processed without errors or data loss. Payment transactions shall be secure and reliable, with minimal risk of failures or fraud.

Performance: The system shall respond quickly to user interactions, with low latency. Pages and menus should load swiftly, even during peak usage times. Order processing shall be efficient, with short wait times for confirmation and delivery.

Scalability: The system shall be able to handle increasing numbers of users and orders without degradation in performance. Infrastructure shall be scalable to accommodate growth in traffic and data volume.

Security: User data, including personal information and payment details, shall be encrypted and securely stored. Access controls shall be in place to prevent unauthorized access to sensitive data. The system shall be protected against common security threats like SQL injection, cross-site scripting (XSS), and DDoS attacks.

Compatibility: The system shall be compatible with various devices and browsers, including desktops, smartphones, and tablets. It should support multiple operating systems (e.g., Windows, macOS, iOS, Android) and web browsers (e.g., Chrome, Firefox, Safari).

Maintainability: The system shall be modular and well-structured, allowing for easy updates and maintenance. Code shall be well-documented and follow best practices to facilitate future development and troubleshooting. Logs shall be generated and monitored to track system behavior and diagnose issues.

Flexibility: The system shall support customization and configuration options for restaurants to adapt

menus, pricing, and promotions. Integration with third-party services (e.g., delivery partners, payment gateways) shall be seamless and configurable.

2.3 System Interface

Use Case Diagram

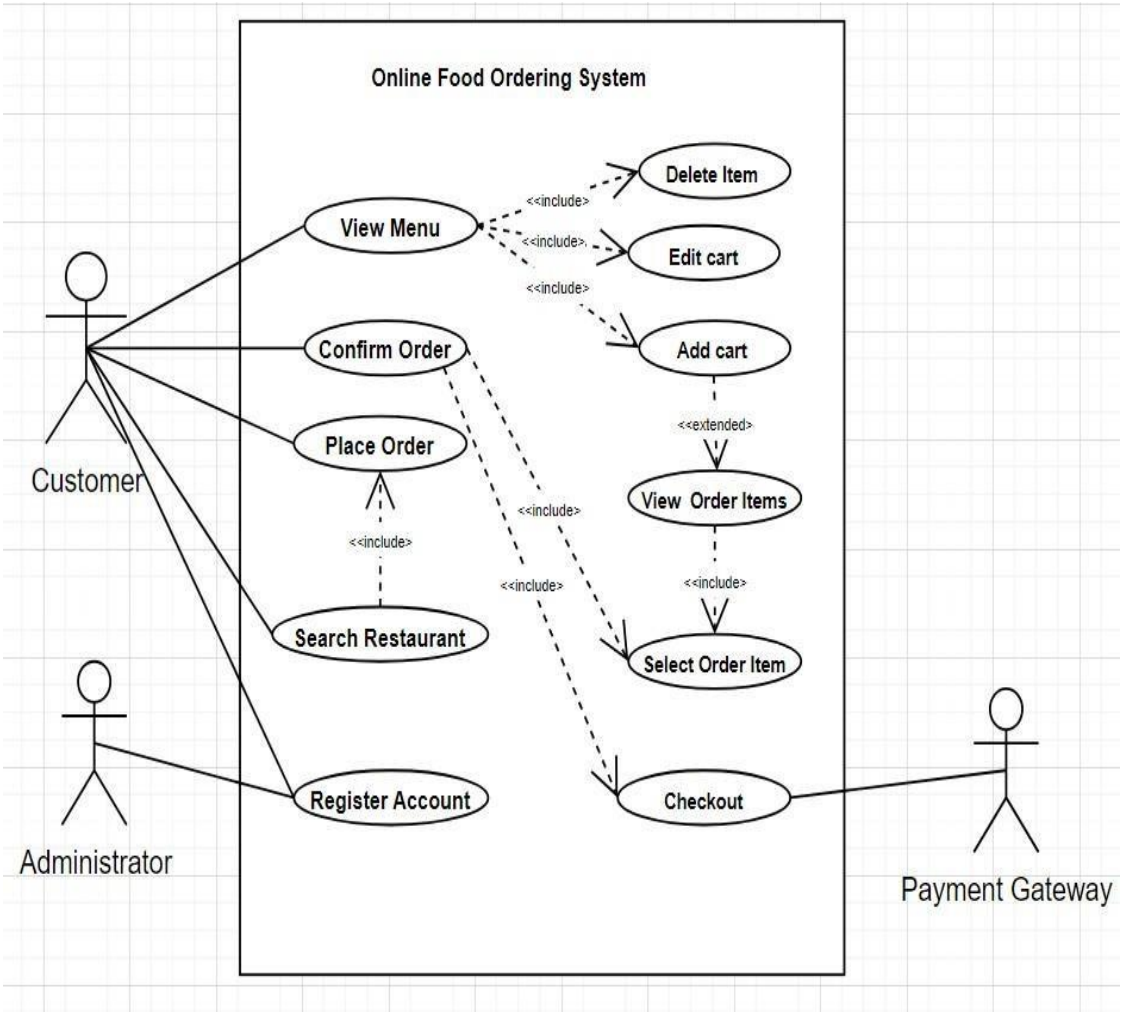


Figure 1: Use Case Diagram of OFOS

System Login

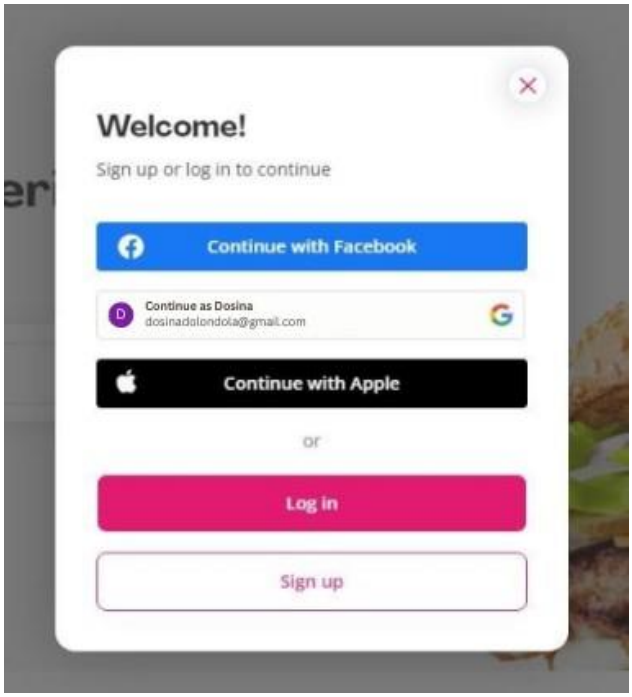


Figure 2: System Login Feature

Item menu

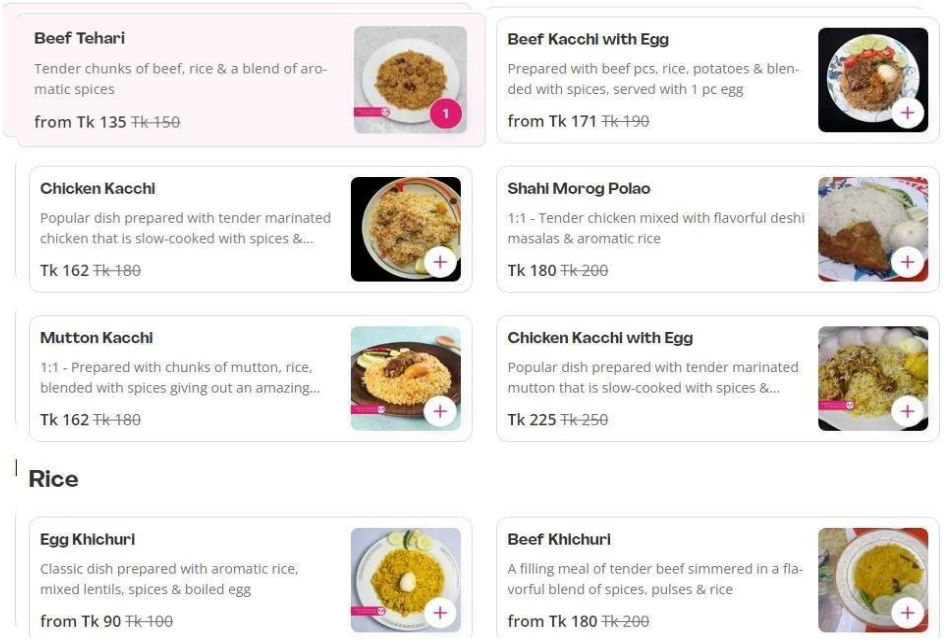


Figure 3: Item Menu Feature

Payment

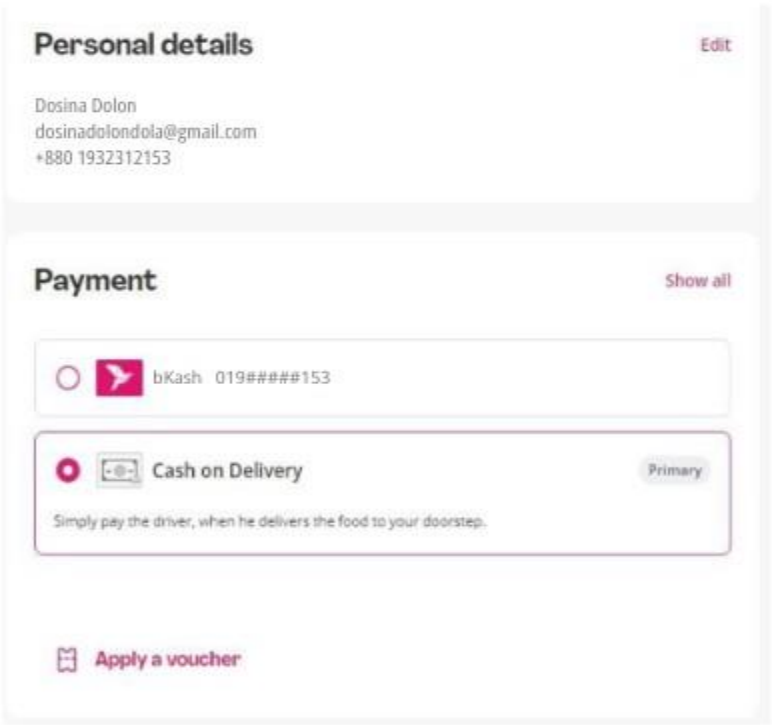


Figure 4: Payment Featur

Order Tacking Status

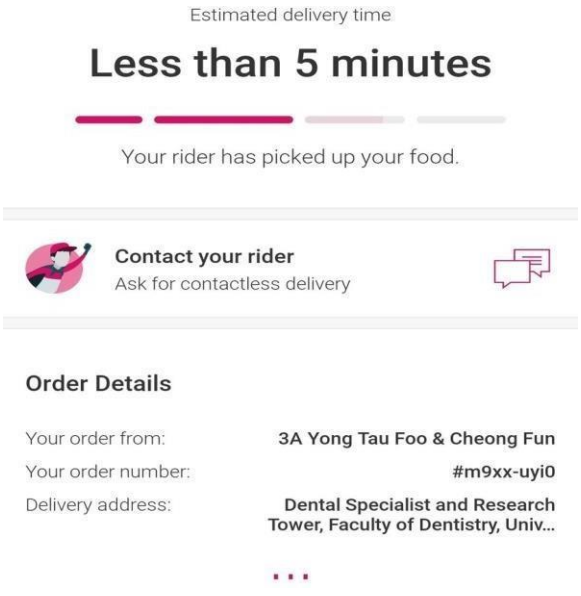


Figure 5: Order Tracking Feature

Profile Security

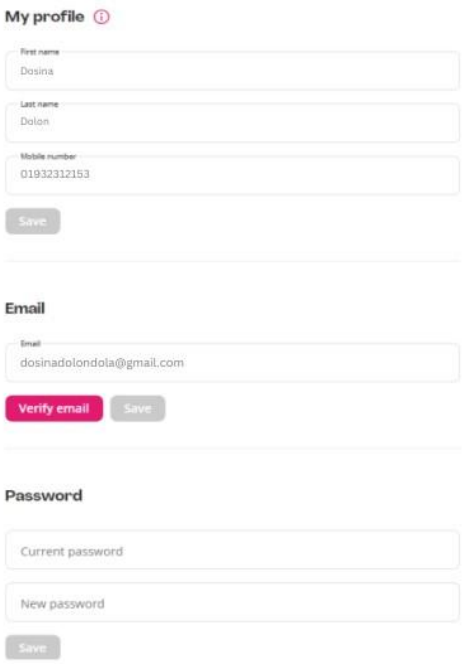


Figure 6: Profile Security Feature

Customer Feedback

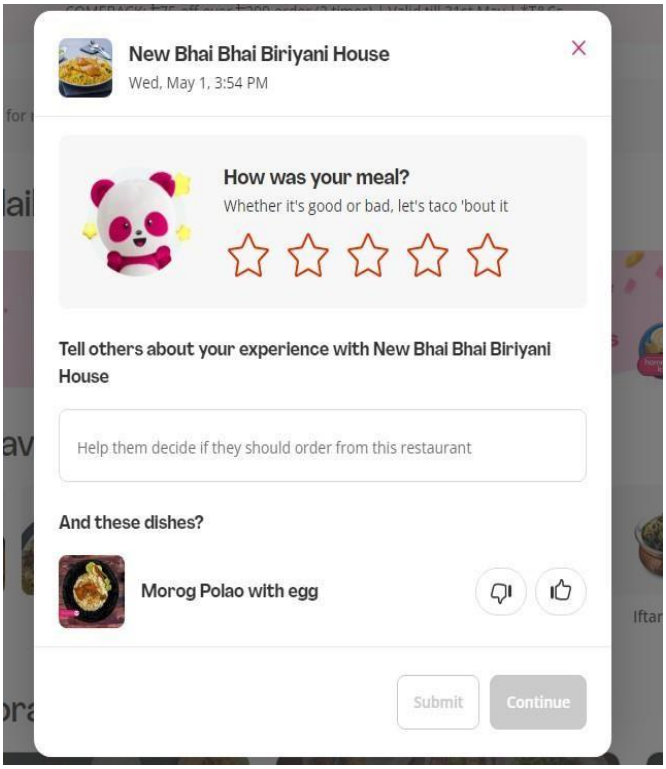


Figure 7: Feedback Feature

3. FEATURES NOT TO BE TESTED

Third-Party Integration Testing: Testing of integrations with POS systems will not be performed directly. Instead, the focus will be on ensuring that the system's interfaces are designed to facilitate integration and that data exchange protocols are documented and provided to POS system vendors or developers for their testing.

Customer-Owned Applications Testing: Testing of PC-based spreadsheet analysis applications using reassigned sales data will not be conducted. The responsibility for testing such applications lies with the customer or the application maintainer/developer. However, the necessary data format information will be provided to customers to enable them to extract data for their own testing purposes.

Sub Features not to be Implemented

- **Customer Accounts and History:** Once the functionality for creating accounts and storing customer history is implemented and tested, it typically doesn't require continuous testing unless there are changes to the system that could affect this feature.

4. TESTING APPROACH

4.1 Testing Levels

Unit Testing
Who Performs: Developers.

Approval: Unit testing results are reviewed and approved by the development team leader.
Documentation: Developers must provide proof of unit testing, including test case lists, sample output, data printouts, and defect information to the team leader.

Handover: Unit test information is passed on to the test person (test manager).
Unit testing for an online food ordering system involves testing individual components or units of the system in isolation to ensure that each unit functions correctly. Break down the system into smaller units such as modules, classes, functions, or methods. In an online food ordering system, these units might include user authentication, menu retrieval, order processing, payment processing, etc. For each unit, write test cases to validate its behavior. Test cases should cover various scenarios including normal operation, edge cases, and error conditions. Unit tests should be isolated from external dependencies such as databases, network services, or third-party APIs. Review the test results to identify any failed or erroneous tests. Refactor the code as needed to improve testability and maintainability.

System/Integration Testing
Who Performs: Test manager and development team leader, with assistance from individual developers as required.
Criteria for Entry: Programs enter System/Integration testing after all critical defects have been corrected.
Defect Tolerance: Programs may have up to two major defects as long as they don't impede testing and there's a workaround for the error.

Tools: No specific test tools are mentioned for this level.

Integration testing for an online food ordering system involves verifying that the different modules or components of the system work together as expected when integrated. In an online food ordering system, integration points might include user authentication with menu retrieval, order processing with payment processing, etc. Develop test scenarios that exercise the interactions between these integration points. Integration tests might be automated using testing frameworks and tools such as Selenium, Postman, or SoapUI. Investigate the root cause of any issues and make necessary adjustments to the code or configurations. Document the results of the integration tests, including any issues found, their severity, and steps to reproduce them.
Acceptance Testing

Who Performs: Actual end users, with assistance from the test manager and development team leader.

Duration: Acceptance testing is conducted in parallel with the existing manual selenium testing process for one month after System/Integration testing completion.

Acceptance testing for an online food ordering system involves validating whether the system meets the requirements and expectations of its stakeholders, including end-users, customers, and business owners. Collaborate with stakeholders to define acceptance criteria, which are specific conditions or outcomes that the system must meet to be considered acceptable. Based on the acceptance criteria, create test scenarios that represent typical user interactions with the system. Address any issues or deficiencies identified during acceptance testing through bug fixes, enhancements, or adjustments to the system. Iterate on the testing process, incorporating changes as needed, and retest the system to validate improvements.

4.2 Test Tools

- Selenium: A powerful open-source technology for automating web browsers is Selenium. It is employed to evaluate how well web apps work across various browsers.

Manual Testing: Software testing that involves carrying out test cases by hand by a tester in the absence of automated tools is known as manual testing. Finding flaws, problems, and defects in the software application is the aim of manual testing. Of all the testing methods, manual software testing is the most archaic and is useful for locating important software application defects.

4.3 Meetings

Meeting Date	Meeting Criteria	Objective
01/05/2024	Analysis	○ Functions Analysis ○ Work process
03/05/2024	Assessment of Progress	○ How well-prepared the project is. ○ Progress evaluation
09/05/2024	Error Patterns	○ examining bug reports and error trends
11/05/2024	Modify the system	○ Check the whole system ○ Run the system ○ Revise all

5. TEST CASES/TEST ITEMS

5.1 Teste Case-01:

Project Name: Online Food Ordering System				Test Designed by: Dosina Dolon Dola
Test Case ID: OFOS_1				Test Designed date: 01/05/2024
Test Priority (Low, Medium, High): High				Test Executed by: Dosina Dolon Dola
Module Name: Login Session				Test Execution date: 02/05/2024
Test Title: verify login with valid email, username and password				
Description: Test website login page				
Precondition (If any): User must have valid email, username and password. (https://corporate-admin.foodpanda.com.bd/login)				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter Email 3. Enter username 4. Enter password 5. Click submit	Email: dosinadolondola9080@gmail.com Username: Dola Password: Dola123	User should login into the application	As expected,	Pass
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

5.2 Teste Case-02:

Project Name: Online Food Ordering System	Test Designed by: Md. Mohtasim Fuad
Test Case ID: OFOS_2	Test Designed date: 01/05/2024
Test Priority (Low, Medium, High): High	Test Executed by: Khalid Saifullah
Module Name: Login Session	Test Execution date: 02/05/2024
Test Title: Change & verify login with valid username and password	
Description: Test website 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 previous username, password 3. Enter new username, password 4. Click Submit	Username: Fuad Password: Fuad123*	User should login into the application	As expected,	Pass
Post Condition: User is validated with database and successfully login to account. The account session details are logged in the database.				

5.3 Teste Case-03:

Project Name: Online Food Ordering System			Test Designed by: Tuyan Jamamim	
Test Case ID: OFOS_3			Test Designed date: 01/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by: Tuyan Jamamim	
Module Name: Item Selection			Test Execution date: 02/05/2024	
Test Title: Selecting the Item form webpage				
Description: Select Item from the webpage.				
Precondition (If any): User must have valid Email, username and password. link				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter username 3. Enter password 4. Select Item	Item= "Kacchi Biriyani"	Expected Item Should be selected	As expected,	Pass
Post Condition: User has selected the item successfully.				

5.4 Teste Case-04

Project Name: Online Food Ordering System			Test Designed by: Efaz Rahman Opi	
Test Case ID: OFOS_4			Test Designed date:01/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by: Efaz Rahman Opi	
Module Name: Menu navigation Session			Test Execution date:02/05/2024	
Test Title: Verify the right menu for the restaurant				
Description: Test the menu of the restaurant				
Precondition (If any): User must have log into the profile				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login to the profile 3. Navigate menu	Menu= "Fast Food"	User should get right menu	As expected,	Pass
Post Condition: User can select the right menu for the meal. Menu navigation bar working successfully.				

5.5 Teste Case-05

Project Name: Online Food Ordering System			Test Designed by: Tuyan Jamamim	
Test Case ID: OFOS_5			Test Designed date:03/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by:	
Module Name: Search Restaurant			Test Execution date:04/05/2024	
Test Title: Verify valid restaurant for the users				
Description: Test restaurant selection				
Precondition (If any): User must login to their profile & search restaurant. Link				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login to the profile 3. Search Restaurant	Restaurant name: "Kacchi vai"	User should get the right restaurant	As expected,	Pass
Post Condition: User can select the restaurant. Searching the restaurant is working successfully.				

5.6 Teste Case-06

Project Name: Online Food Ordering System			Test Designed by: Efaz Rahman Opi	
Test Case ID: OFOS_6			Test Designed date: 03/05/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Efaz Rahman Opi	
Module Name: Add to cart Session			Test Execution date: 04/05/2024	
Test Title: Verify the cart is being working or not				
Description: Test the cart section of the website.				
Precondition (If any): User must login to profile and take some of the food to the cart.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login to the profile 3. Add to cart the item 4. Click confirm	Add to cart: "Morog polau"	The cart should take the item	As expected,	Pass
Post Condition: User can take the item into the cart that is working successfully				

5.7 Teste Case-07

Project Name: Online Food Ordering System	Test Designed by: Dosina Dolon Dola
Test Case ID: OFOS_7	Test Designed date: 03/05/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Dosina Dolon Dola
Module Name: Quantity Session	Test Execution date: 04/05/2024
Test Title: Verify the right quantity of the item.	
Description: Test the right quantity of the item has been taken.	
Precondition (If any): User must login and take more than one item	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login to the profile 3. Take item more than one 4. Confirm order	Quantity: "3"	User should get the same quantity as they submitted.	As expected,	Pass
Post Condition: User has got the same amount of quantity item as they confirm in the online page.				

5.8 Teste Case-08

Project Name: Online Food Ordering System			Test Designed by: Md. Mohtasim Fuad	
Test Case ID: OFOS_8			Test Designed date: 03/05/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Md. Mohtasim Fuad	
Module Name: Order Tracking Session			Test Execution date: 04/05/2024	
Test Title: Verify the Order and Track where it is				
Description: Test website so that it can verify the order and tracked it.				
Precondition (If any): User must order something				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Confirm Order 3. Enter Tack my oder	Track order: "unkown"	User should track the location	As not expected,	Fail
Post Condition: User cannot find the rider properly, it doesn't show the right geographic scenario.				

5.9 Teste Case-09

Project Name: Online Food Ordering System	Test Designed by: Md. Mohtasim Fuad
Test Case ID: OFOS_9	Test Designed date: 03/05/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Md. Mohtasim Fuad

Module Name: Payment Session			Test Execution date: 04/05/2024	
Test Title: Verify the payment session				
Description: Test payment procedure is properly working or not				
Precondition (If any): User must have valid profile and must order something to pay.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
5. Go to the website 6. Login to profile 7. Confirm Order 8. Enter Payment Method 9. Confirm Payment	Payment Method: "bKash", "Nogod", "Rocket", "Visa Card", "Master Card", "Taptap", Cash on delivery Payment Id: "01710254043" Pin: "1234"	User should make payment through their respective method	As expected,	Pass
Post Condition: User is able to make payment through the make payment option, its working perfectly.				

5.10 Teste Case-10

Project Name: Online Food Ordering System			Test Designed by: Efaz Rahman Opi	
Test Case ID: OFOS_10			Test Designed date: 05/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by: Efaz Rahman Opi	
Module Name: Customer Feedback Session			Test Execution date: 06/05/2024	
Test Title: Verify the customer Feedback Session				
Description: Test the feedback page				
Precondition (If any): User must give feedback to the system				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter profile 3. Confirm order 4. Give feedback 5. Submit	Feedback: "5 star"	User should give star as a feedback	As expected,	Pass

Post Condition: User is able to give feedback to the developers about how they are using and benefited from this platform

5.11 Teste Case-11

Project Name: Online Food Ordering System			Test Designed by: Dosina Dolon Dola	
Test Case ID: OFOS_11			Test Designed date:05/05/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Dosina Dolon Dola	
Module Name: Notification Session			Test Execution date:06/05/2024	
Test Title: Verify the notifications is working properly				
Description: Test website notifications				
Precondition (If any): User must make a valid profile to the website.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter Profile 3. Check Notifications	Notifications: "your order is on the way"	User should get he notifications while they order something.	As expected,	Pass
Post Condition: User can get the notifications easily and its working properly.				

5.12 Teste Case-12

Project Name: Online Food Ordering System			Test Designed by: Tuyan Jamamim	
Test Case ID: OFOS_12			Test Designed date:05/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by: Tuyan Jamamim	
Module Name: Discount and Promotions			Test Execution date:06/05/2024	
Test Title: Verify discount and promotions are working properly				
Description: Test the discount and promotions page				
Precondition (If any): User must have some discount in the order & must tap a promotion page				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)

1. Go to the website 2. Take discount Cupon 3. Enter promotional page 4. Click submit	Discount: "Get 25% off Min. order Tk 250"	User should get the discount on make payment section	As not expected,	Fail
Post Condition: User do not get the discount on the order.				

5.13 Teste Case-13

Project Name: Online Food Ordering System			Test Designed by: Dosina Dolon Dola	
Test Case ID: OFOS_13			Test Designed date:07/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by: Dosina Dolon Dola	
Module Name: Delivery Integration			Test Execution date:08/05/2024	
Test Title: Verify the rider deliver the Item properly				
Description: Test the rider and deliver tacking system				
Precondition (If any): User must order an item from the website				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter profile 3. Order an item 4. Track location 5. Chat with rider	Delivery Integration: "Estimate Delivery time less than 5 munites"	User should notify when order will near at the door	As expected,	Pass
Post Condition: User get notified when rider come at the door and the integration is working successfully.				

5.14 Teste Case-14

Project Name: Online Food Ordering System	Test Designed by: Efaz Rahman Opi
Test Case ID: OFOS_14	Test Designed date: 06/05/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: Efaz Rahman Opi
Module Name: Order & History Session	Test Execution date: 07/05/2024
Test Title: Verify the right order and history is showing.	
Description: Test the order and history session	

Precondition (If any): User must Order an item				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter Profile 3. Order an Item 4. Confirm Order 5. Go to order history	Order history: "Delivered on Wed, May 1, 4:30 PM"	User should see the order history	As expected,	Pass
Post Condition: User is able to see the order history and its working properly.				

5.15 Teste Case-15

Project Name: Online Food Ordering System			Test Designed by: Md. Mohtasim Fuad	
Test Case ID: OSOF-15			Test Designed date: 09/05/2024	
Test Priority (Low, Medium, High): Medium			Test Executed by: Md. Mohtasim Fuad	
Module Name: Responsiveness			Test Execution date: 10/05/2024	
Test Title: Verify the responsiveness of the website				
Description: Test website with mobile and desktop foe responsiveness				
Precondition (If any): User must login to the profile with mobile and desktop both.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter profile using mobile and desktop	Responsiveness: "not responsive"	User should feel smooth user experience.	As not expected,	Fail
Post Condition: User cant feel responsiveness with mobile and desktop side because of wrong structure of the website.				

5.16 Teste Case-16

Project Name: Online Food Ordering System			Test Designed by: Tuyan Jamamim	
Test Case ID: OFOS-16			Test Designed date: 09/05/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Tuyan Jamamim	
Module Name: Performance Test			Test Execution date: 10/05/2024	
Test Title: Verify the performance of the overall website.				
Description: Test overall functionalities of the website.				
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 5. Enter all the functionalities at least once.	Username: Saifullah Password: saifullah123* Enter overall functionalities	User should not find any bugs.	As not expected,	Fail
Post Condition: User identifies some bugs and issues in webpage, order tracking, feedback session.				

5.17 Teste Case-17

Project Name: Online Food Ordering System			Test Designed by: Md. Mohtasim Fuad	
Test Case ID: OFOS-17			Test Designed date: 011/05/2024	
Test Priority (Low, Medium, High): High			Test Executed by: Md. Mohtasim Fuad	
Module Name: Logout Session			Test Execution date: 12/05/2024	
Test Title: Verify user properly logout from the profile.				
Description: Test website logout 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 Profile 3. Click Logout	Logout: "Logout"	User should logout from the application	As expected,	Pass
Post Condition: User is validated with database and successfully logout from the account. The account session details are logged out in the database.				

6. ITEM PASS/FAIL CRITERIA

- **Initial Set-up:**
  - Configure the system to receive sales data from distributors.
  - Conduct Selenium testing to establish a baseline dataset.

- **Testing Phase:**
  - Distributors send in reassigned sales data for a period of one month.
  - Concurrently, run Selenium testing to gather new data.

- **Data Validation:**
  - Compare the new sales data from distributors with the old Selenium testing data.
  - Sales administration staff examines the data to ensure accuracy and consistency.

- **Pass/Fail Decision:**
  - If the data matches and the sales administration staff is satisfied, proceed to activate the initial set of distributors.
  - If discrepancies or issues are found, the testing phase may need to be extended or additional debugging steps taken.

- **Activation:**
  - Once the initial set of distributors is set to active, halt all parallel testing for those accounts.

7. TEST DELIVERABLES

- Test plan
- Test Case
- Test Data
- Screen prototypes
- Test Reports
- Test execution summaries
- Test logs and turnover reports

8. STAFFING AND TRAINING NEEDS

1. **Tester Assignment:**

    - At least one full-time tester should be assigned to the project for system/integration and acceptance testing phases.
    - Initially, a person should be assigned part-time to participate in reviews and other relevant activities. Approximately four months into the project, they should transition to full-time testing.

2. **Training Needs:**

    - **Selenium Testing Tool:**
        - Developers and testers need training on the basic operations of the Selenium testing tool.
        - Prior to final acceptance of the project, operations staff also require complete training on Java Selenium processes.
    - **New Screens and Reports:**
        - Sales administration staff require training on the new screens and reports introduced by the system.

9. RESPONSIBILITIES

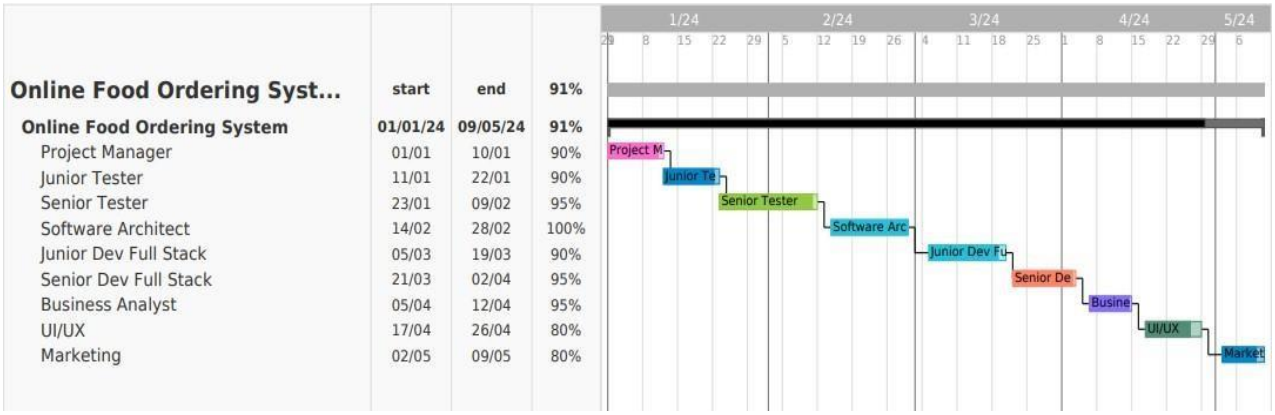
	TM	PM	Dev Team	Test Team	Client
Acceptance Test Documentation & Execution	X		X		X
System/Integration Test Documentation and Execution	X	X	X	X	X
Unit Test Documentation & Execution	X	X	X	X	
System Design & Review		X	X		X
Detail Design & Reviews	X			X	X
Test Procedures and Rules	X	X	X		
Screen Report Prototype Reviews				X	X
Change Control and Regression Testing	X	X	X		X

10. TESTING SCHEDULE

Time has been allocated within the project plan for the following testing activities. The specific dates and times for each activity are defined in the project plan timeline. The persons required for each process are detailed in the project timeline and plan as well. Coordination of the personnel required for each task, test team, development team, management and customer will be handled by the project manager in conjunction with the development and test team leaders.

ID	Task	Duration (Days)	Responsible
1	Documentation	10 days	Project Team
2	Designing	10 days	Designing Team
3	Test plan	18 days	Developer team
4	Unit testing	15 days	Developer team
5	Integration Testing	18 days	Developer team
6	System Testing	18 days	Project Manager & Test Engineer
7	Acceptance testing	20 days	Test Engineer & Potential Users
8	Project Completion	22 days	Project Manager
9	Feedbacks	20 days	Potential Users

Gantt Chart



11. PLANNING RISKS AND CONTINGENCIES

The risk of limited reassigned sales staff impacting the project's planning and execution is significant, particularly in the context of an online food ordering system. Here's how you might address this risk and plan for contingencies:

- Identify specific tasks within the project plan that require input or participation from the reassigned sales staff.
- Evaluate the potential impact of delays in these tasks on the overall project timeline and deliverables.

- Consider cross-training other team members or hiring temporary staff to fill the vacant positions temporarily.
- Be prepared to adjust project timelines and milestones to account for potential delays caused by staff shortages.
- Explore opportunities to automate certain tasks or streamline workflows to reduce reliance on manual intervention from reassigned sales staff. Automation can help mitigate the impact of staff shortages and improve overall efficiency.
- Establish a clear communication plan to keep stakeholders informed about any delays or changes resulting from staff shortages.

12. APPROVALS

Project Sponsor	OFOS_1.0
Project Development Management	Dola
EDI Project Manager	Tuyan
RS Test Manager	Fuad
RS Development Team Manager	Opi
Reassigned Sales	Dola
Order Entry EDI Team Manager	Fuad