Test Plan for Food Ordering Management System

Shams, Tarik Bin

17-33997-1

BSc.CSSE

Software Quality and Testing

binshams.aiub@gmail.com

Sayed, Mehedi

17-34364-1

BSc.CSSE

Software Quality and Testing

sayedmehedi.aiub@gmail.com

Alam, Md. Mahbub

17-34338-1

BSc.CSSE

Software Quality and Testing

mdmahbubalam.aiub@gmail.com

Habib, Ahsan

17-34014-1

BSc.SE

Software Quality and Testing

ahsanpolok156633@gmail.com

Raju, Riyad Mohammad

17-34339-1

BSc.CSSE

Software Quality and Testing

riyad.muhammad47@gmail.com

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Approval

The project titled "Food Order Management System" has been submitted to the following respected members of the board of examiners of the Department of Computer Science, American International University-Bangladesh [AIUB] in partial fulfilment of the Test Plan for this project on Software Quality and Testing Course on December 09, 2019 and has been accepted as satisfactory.

MOHAMMAD MAHMUDUL HASAN

Assistant Professor

Department of Computer Science

Faculty of Science and Technology

American International University-Bangladesh

1 Introduction

Restaurants have always played an essential role in the business, social, intellectual and artistic life of a thriving society. Restaurants are places of congregation and communication. It provides shelter and entertainments. The main role of restaurant is serving food to the customers. Food ordering and serving system is a manual process in many restaurants. Our proposed system is automated for food ordering and serving in a restaurant. Where customers come to the restaurant, they can be ordered food by a tablet. In a tablet food menu will show to the customers. They can see all available items and their prices. For payment, customers can use digital payment system like Bkash, Rocket, Debit or Credit card. After order confirmation by a customer, an order notification will go to the chef. This system will be time consuming for customers and cost effective for restaurant owners.

1.0.1 Purpose

The propose of the document will provide a detailed description of the requirements for Food Ordering and Management System. This will allow us for a complete understating of what we will be expected from the newly introduced system which is to be constructed. It will also explain system constraints, interface and interaction with other external application. Describing, Designing, constructing and testing the functions and specifications of the system is the primary goal of this software requirements specification (SRS). The Project team will use the SRS to fully understand the expectation of this Food Ordering and Managing System to construct the appropriate application. The testing team will use this SRS as a baseline to see if the constructing team able to construct the system as user expectations.

1.0.2 Our Solution to the problem

We propose a “Food Ordering and Management System” for the above mentioned problem. In the current situation, this type of system has not been activated. So we think “Food Ordering and Management System” will benefit many restaurant.

- Our system allow customers to place orders from their table which automatically gets sent to the kitchen without the need for waiters
- Customers can view their outstanding bill with the touch of a button.
- Customers can pay their bills sitting in the seats.
- Customers can customize menu as they wants.
- Customers can see their order's live status.
- Cashier can monitor every order and track of business.
- From the kitchen available orders and raw materials notification and chef approval will help to manage restaurant.
- This application will work as more then a waiter and will reduce the cost of hiring the waiter.

1.1 Document Conventions

- Entire document should be justified.
- Convention for main title
    1. Font face: Times New Roman
    2. Font style: Bold
    3. Font Size: 14
- Convention for Sub title
    1. Font face: Times New Roman
    2. Font style: Bold
    3. Font Size: 14
- Convention for body

1. Font face: Times New Roman
2. Font Size: 12

1.2 Project Scope

Food ordering management system is an android platform where customer can order sit at a table through a device. The customer will sign up with mobile number and password for login. Because for order any food customer has to login with the mobile number attach device in a table. The customer can search and filter for order food. The customer can customize the order as his/her wish with available item. The customer can view his/her previous order history and favorite list for helping the order previous favorite item. The customer can feedback for his/her experience and add notes before confirm the order. The customer can payment by card and by cash. If customer want to payment by cash, he/she has to go the cashier for order approval. The customer get notified the order status with the attached device. The cashier and chef can view the customer order history. The chef is notify the customer his/her order processing status. The chef is notify the cashier the available food item for cook. The cashier can control the food item view for customer with respect the availability. The cashier can manage and control the system.

1.3 References

- Books:
    1. Software Requirement, 3rd Edition
    2. The Software Requirement Memory Jogger
- World Wide Web:
    1. `https://www.ibm.com/developerworks/community/files/form/3cf803c7-f973-4051-99a8-2949fd4ceab1/`
    2. `https://www.academia.edu/An_Online_Food_Ordering_System_Requirements_Specification`

3. https://www.cse.msu.edu//Handouts/SRSExample.doc

4. http://www.latex-tutorial.com

2 Overall Description

2.1 Product Perspective

The Food ordering and management system is an Android based application and hence will require an android device and internet connection. The application will be able to connect to server and will have an SQLite database server. It will use JAVA and XML as language and android stdio as development tool for it's development. This system provides simple mechanism for users to order food without waiter. The followings are the main features that are included in second hand book buy and sell system.

- User Account : The system allows the customer to create their accounts in the system and provide features of updating and viewing profiles.Cashier will create an account for chef to updating and viewing.
- Login : After registration customers can login into the system to order foods.Chefs can login to approve orders.
- Previous Order List : Customers can see their previous order list.
- Quick order : Customers can order their previous order quickly.
- Search : Customers can search any food item.Also can filter by newly launched items,top rated items,price,cooking time.
- Offers : Customers can see current offers and cashier can add,modify and delete any offer.
- Notification : Customers will get changing status of cooking their orders and chef and cashier will get order place notification and raw material availability notification. Chef changing status of cooking will notify customers.

- Order Notes : Customers can add any notes to their order like allergies, like or dislikes.
- Feedback : Customers can review and give feedback notes to any item will anonymous. Chef and Cashier will able see those feedback.
- Sign Out : Every types of account can sign out.

2.2 User classes and Characteristics

There are three types of users that interact with the system: customers, chefs and cashier. Each of these three types of users has different use of the system, so each of them has their own requirements.

- Customers: Customers can order any items from the menu. Before ordering they have to register to the system by phone number and password. They can pay for their order by Mobile banking or Debit and Credit card. After ordering they can see food processing step with notifications.
- Chefs: When a customer order some food, the full order history is forwarded to the chef. Chef can update food processing status.
- Cashier: Cashier helps to the customer for payment with digital banking system and check transaction is successful or not. If any customer want to pay with hand cash, cashier will collect the cash. Cashier can see every customer's orders details. Cashier should report to the owner's about profit of the restaurant after a month.

2.3 Operating Environment

This is a Android base application. So, customer can access the system on mobile or tablet of the restaurant.

- OS: Android
  - Version : Up to 5.0

- Develop Tool:
  - Language : JAVA, XML
  - Database : SQLite
  - Authentication : API
  - IDE: Android Stdio

2.4 Design and implementation constraints

- The information of all the users must be stored in a database that is accessible by the cashier.
- Mobile number and password used for the authentication of customers.
- Customers will get the OTP after forget the password for recover the their profile.
- The system only the android platform friendly.
- Since red and green color blindness is most common, red and green color shall not be used for important texts.
- This android environment shall not contain blue text which will confuse users to be links.
- This application will be developed using the android studio IDE.
- This android application must be comply with government regulations for usage by visually impaired persons.

3 System Features

3.1 Description of feature

3.1.1 Customers

- Customers have to register to the system by providing necessary information's (phone number). Registered customers can access all the functionalities provide on the portal. They can have their own profiles through this feature.
- They can login to the system by providing their phone number and password.
- They can reset their password if they forget.
- An authenticated customer can order one or multiple food. Also can add food items to their favorite list.
- Customer can pay online with credit/debit card or mobile banking.
- They can add note when they place an order.
- They can search food by filtering option. (New item, most popular, price off etc.)
- Customer can give feedback about the food.
- They can track the food processing step with notification.
- Customer can see his/her order history.

3.1.2 Chef

- When the order will be forward to the chief, Chief will update the food processing status.

3.1.3 Cashier

- Cashier can login to the system to get all the features.

- As there is online payment system but customer can pay bill with hand cash. So cashier will collect bill for the order.
- Cashier also can check the food processing status of all orders
- He/she can check order list with other details.
- Also they can count the average sell / order / profit etc.
- Cashier can monitor all things.

3.2 Functional requirements

3.2.1 Customers

- The customers shall be able to register to the system with their phone number.
- The customers shall be able to login to the system.
- The customers shall be able to search food items.
- The customers shall be able to filter item with category.
- The customers shall be able to filter item with items prices.
- The customers shall be able to filter food offers.
- The customers shall be able to add favorite food items.
- The customers shall be able to check their favorite food items list.
- The customers shall be able to add food to cart.
- The customers shall be able to get food processing notifications.
- The customers shall be able to see review of foods.
- The customers shall be able to send feedback about the food.
- The customers shall be able to write order note.

- The customers shall be able to reset password.
- The customers shall be able to sign out from the system.
- The customers shall be able to re-ordered items which had been ordered previously.
- The customers shall be able to pay by online payment system.

3.2.2 Chef

- The chefs shall be able to approve the orders.
- The chefs shall be able to change food processing status.
- The chefs shall be able to notify the customers when food cooking is finished.
- The chefs shall be able to notify the remaining inventory.
- The chefs shall be able to close items when inventory is finished.
- The chefs shall be able to see orders note.

3.2.3 Cashier

- The cashier shall be able to track every orders.
- The cashier shall be able to add offers.
- The cashier shall be able to give discount.
- The cashier shall be able to get notification of remaining inventory.
- The cashier shall be able to create profile of a new chef.
- The cashier shall be able to fire a chef.
- The cashier shall be able to see reviews of foods.
- The cashier shall be able to update inventory.
- The cashier shall be able to close item when inventory is finished.

3.3 Nonfunctional requirements

- The front-page load time must be no more than 3 seconds for users.
- Passwords shall never be view able at the point of login or at any other time.
- The system should be capable enough to handle 500 users with affecting its performance.
- System shall be able to process a notification in 1 second or less.
- Correct identification of users attempting access to the systems and protection of the systems from unauthorized users.
- Only cashier can see the all orders and payment history.
- Only chef can update orders processing status.
- System should be portable for different Android versions.

4 Test Plan

4.1 Features to Be Tested

4.1.1 Customers Features

- FR_1. The customers shall be able to register to the system with their phone number.
- FR_2. The customers shall be able to login to the system.
- FR_3. The customers shall be able to search food items.
- FR_4. The customers shall be able to add food to cart.
- FR_5. The customers shall be able to get food processing notifications.
- FR_6. The customers shall be able to see review of foods.
- FR_7. The customers shall be able to send feedback about the food.

- FR_8. The customers shall be able to write order note.
- FR_9. The customers shall be able to reset password.
- FR_10. The customers shall be able to sign out from the system.
- FR_11. The customers shall be able to re-ordered items which had been ordered previously.
- FR_12. The customers shall be able to pay by online payment system.

4.1.2 Chef Features

- FR_13. The chefs shall be able to approve the orders.
- FR_14. The chefs shall be able to change food processing status.
- FR_15. The chefs shall be able to notify the customers when food cooking is finished.
- FR_16. The chefs shall be able to notify the remaining inventory.
- FR_17. The chefs shall be able to close items when inventory is finished.
- FR_18. The chefs shall be able to see orders note.

4.1.3 Cashier Features

- FR_19. The cashier shall be able to track every orders.
- FR_20. The cashier shall be able to add offers.
- FR_21. The cashier shall be able to get notification of remaining inventory.
- FR_22. The cashier shall be able to create profile of a new chef.
- FR_23. The cashier shall be able to fire a chef.
- FR_24. The cashier shall be able to update inventory.
- FR_25. The cashier shall be able to close item when inventory is finished.

4.2 Test Deliverables

1. Before testing phase
    - Test plans document.
    - Test cases documents.
    - Test Design specifications.
2. During the testing
    - Test Data.
    - Test execution logs.
3. After the testing cycles is over
    - Test Results

4.3 Test Cases

4.3.1 Customer Features

- FR_01: The customers shall be able to register to the system with their phone number and password.

Project Name: Food Ordering Management System			Test Designed By: Tarik Bin Shmas	
Test Case ID: TP_FOMS_01			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Tarik Bin Shams	
Module Name: User Registration			Test Execution date: December 8, 2019	
Test Title: Register with phone number and password				
Description: Test the system's registration page				
Precondition: Have a valid phone number and 4 length's password				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the Application – Enter phone number – Enter password – Click submit	Phone number: 01811829982 Password: 2256	User should login with the system		
Post Condition: User has been successfully registered with the system.				

Table 1: FR_01 Test Case

- FR_02: The customers shall be able to login to the system.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: Tarik Bin Shmas</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_02</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): High</td><td colspan="2">Test Executed by: Tarik Bin Shams</td></tr>
<tr><td colspan="3">Module Name: User Login</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: Login with phone number and password</td></tr>
<tr><td colspan="5">Description: Test the system's login page</td></tr>
<tr><td colspan="5">Precondition: Have a valid phone number and 4 length's password</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Go to the application
– Enter phone number
– Enter password
– Click login</td><td>Phone number: 01811829982
Password: 2256</td><td>User should login with the system</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition:User has been validated with database and successfully registered with the system.</td></tr>
</table>

Table 2: FR_02 Test Case

- FR_03: The customers shall be able to search food items.

Project Name: Food Ordering Management System			Test Designed By: Tarik Bin Shmas	
Test Case ID: TP_FOMS_03			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): Medium			Test Executed by: Tarik Bin Shams	
Module Name: Food Search			Test Execution date: December 8, 2019	
Test Title: Searching food items from food list				
Description: Test the system's search page				
Precondition: Have food items in the list				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Enter food name on the Search box	Search: Burger	Show all types of burger		
Post Condition: Food items have been searched with database and successfully showed on the search page.				

Table 3: FR_03 Test Case

- FR_04: The customers shall be able to add food to cart.

Project Name: Food Ordering Management System			Test Designed By: Tarik Bin Shmas	
Test Case ID: TP_FOMS_04			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Tarik Bin Shams	
Module Name: Food cart			Test Execution date: December 8, 2019	
Test Title: Add to cart				
Description: User can add food items to cart. If any item is in cart notify that already added				
Precondition: Have a food items list				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Click add to cart in a food item	Search: Clicked add to cart	User should add food cart items to cart		
Post Condition: User has been added food items to the cart.				

Table 4: FR_04 Test Case

- FR_05: The customers shall be able to get food processing notifications.

Project Name: Food Ordering Management System				Test Designed By: Tarik Bin Shmas
Test Case ID: TP_FOMS_05				Test Designed date: December 8, 2019
Test Priority(Low, Medium, High): Medium				Test Executed by: Tarik Bin Shams
Module Name: Order process				Test Execution date: December 8, 2019
Test Title: Getting order processing notification				
Description: User get notification of his/her order processing				
Precondition: Have a confirmed order				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Confirmed an order with two food items.	Food item id: 106, 110 have been ordered	User get the notification of his/her order processing		
Post Condition: User has been notified about order processing.				

Table 5: FR_05 Test Case

- FR_06: The customers shall be able to see review of the foods.

Project Name: Food Ordering Management System			Test Designed By: Ahsan Habib	
Test Case ID: TP_FOMS_06			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Ahsan Habib	
Module Name: See review of foods			Test Execution date: December 8, 2019	
Test Title: The customer can see review of all foods				
Description: Test if customer click review button then seen the all previous customer review.				
Precondition: User must have a valid account.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Login to the customer account using valid user id and password. – Select any food item. – Click over the review button.	Chicken Burger	User can see all previous review of that specific item		
Post Condition: Customer can order that item or skip that item .				

Table 6: FR_06 Test Case

- FR_07: The customers shall be able to send feedback about the food.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: Ahsan Habib</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_07</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): Medium</td><td colspan="2">Test Executed by: Ahsan Habib</td></tr>
<tr><td colspan="3">Module Name: Send feedback</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: Customer can feedback about the ordered food</td></tr>
<tr><td colspan="5">Description: Test if customer ordered any food.</td></tr>
<tr><td colspan="5">Precondition: Customer must confirm any order.</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Click feedback button.
– Type there feedback.</td><td>Text: This item was testy.9 out of 10.</td><td>Find a text field.</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition: Show a popup message and store this feedback on the database.</td></tr>
</table>

Table 7: FR_07 Test Case

- FR_08: The customers shall be able to write order note.

Project Name: Food Ordering Management System			Test Designed By: Ahsan Habib	
Test Case ID: TP_FOMS_08			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Ahsan Habib	
Module Name: Write order note.			Test Execution date: December 8, 2019	
Test Title: User Can write order note if they need any extra instruction.				
Description: Test if customer select any food item.				
Precondition: User must select any food item				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Order any food item – Enter note if needed – Enter submit button	Allergies	User can type note text box		
Post Condition: Customer can order that item or skip that item.				

Table 8: FR_08 Test Case

- FR_09: The customers shall be able to reset password.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: Ahsan Habib</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_09</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): High</td><td colspan="2">Test Executed by: Ahsan Habib</td></tr>
<tr><td colspan="3">Module Name: Reset Password</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: User can reset their password</td></tr>
<tr><td colspan="5">Description: Test if customer has valid account of the system.</td></tr>
<tr><td colspan="5">Precondition: Customer must login to their account.</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Click over the ‘My Profile’ button.
– Click over the ‘Reset password’ button.
– Enter new password on the text box</td><td>Password</td><td>User find the home screen of the system.</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition: User has been validated with database with new password.</td></tr>
</table>

Table 9: FR_09 Test Case

- FR_10: The customers shall be able to sign out from the system.

Project Name: Food Ordering Management System			Test Designed By: Ahsan Habib	
Test Case ID: TP_FOMS_10			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Ahsan Habib	
Module Name: Sign out			Test Execution date: December 8, 2019	
Test Title: User can sign out his/her account				
Description: Test if customer has valid account.				
Precondition: User must login to their account.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Click over the Sign out button.		User can find the home screen		
Post Condition: Customer can see the home screen of that system.				

Table 10: FR_10 Test Case

- FR_11: The customers shall be able to re-ordered items which had been ordered previously.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: Mehedi Sayed</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_11</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): Medium</td><td colspan="2">Test Executed by: Mehedi Sayed</td></tr>
<tr><td colspan="3">Module Name: Order process</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: Re-ordered items</td></tr>
<tr><td colspan="5">Description: User can order which had been ordered previously from this option</td></tr>
<tr><td colspan="5">Precondition: Completed a previous order</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Go to the application.
– Clicked the previous order.
– Show the order.
– Place the order.</td><td>Food item id: 106, 110 have been ordered</td><td>Order has been placed</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition: Order has been placed.</td></tr>
</table>

Table 11: FR_11 Test Case

- FR_12: The customers shall be able to pay by online payment system.

Project Name: Food Ordering Management System			Test Designed By: Mehedi Sayed	
Test Case ID: TP_FOMS_12			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Mehedi Sayed	
Module Name: Payment process			Test Execution date: December 8, 2019	
Test Title: Online Payment				
Description: User can pay their bill by their online bank or mobile banking account.				
Precondition: Order added to cart.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application. – Go to the cart. – Confirm Order. – Payment option selection.	Food item id: 106, 110 have been ordered	payment will be done		
Post Condition: User's Payment will be successfull.				

Table 12: FR_12 Test Case

4.3.2 Chef's Features

- FR_13: The chefs shall be able to approve the orders.

Project Name: Food Ordering Management System			Test Designed By: Mehedi Sayed	
Test Case ID: TP_FOMS_13			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): Medium			Test Executed by: Mehedi Sayed	
Module Name: Order process			Test Execution date: December 8, 2019	
Test Title: Chef's approval for order.				
Description: Customer's placed order should be approve by chef				
Precondition: Customer should placed an order.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application. – Go to placed order. – Confirm Order.	Food item id: 106, 110 have been ordered	Order will start processing		
Post Condition: User will get notification of confirming order.				

Table 13: FR_13 Test Case

- FR_14: The chefs shall be able to change food processing status.

Project Name: Food Ordering Management System			Test Designed By: Mehedi Sayed	
Test Case ID: TP_FOMS_14			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Mehedi Sayed	
Module Name: Cooking Status Notification			Test Execution date: December 8, 2019	
Test Title: Cooking status changed by chef.				
Description: Chef can update the cooking status after changing a state of cooking.				
Precondition: Customer should complete payment.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application. – Go to Confirmed order. – Change Status.	Food item id: 106, 110 have been ordered	Cooking Status will shown		
Post Condition: User will be able to see the status of cooking.				

Table 14: FR_14 Test Case

- FR_15: The chefs shall be able to notify the customers when food cooking is finished.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: Mehedi Sayed</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_15</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): High</td><td colspan="2">Test Executed by: Mehedi Sayed</td></tr>
<tr><td colspan="3">Module Name: Cooking Status Notification</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: Notify the customer when cooking is finished.</td></tr>
<tr><td colspan="5">Description: After chef changed cooking status to complete the customer will get an notification.</td></tr>
<tr><td colspan="5">Precondition: Chef should start cooking.</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Go to the application.
– Go to Ongoing order.
– Change Status to complete.</td><td>Food item id: 106, 110 have been ordered</td><td>Get notification of cooking finished</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition: User will get a notififcation of finished cooking.</td></tr>
</table>

Table 15: FR_15 Test Case

- FR_16: The chefs shall be able to notify the remaining inventory.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: MD. Mahbub Alam</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_16</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): High</td><td colspan="2">Test Executed by: MD. Mahbub Alam</td></tr>
<tr><td colspan="3">Module Name: Inventory Notification</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: The chefs shall be able to notify the remaining inventory</td></tr>
<tr><td colspan="5">Description: Test if inventory is close to empty the chef will notify the cashier.</td></tr>
<tr><td colspan="5">Precondition: Inventory is close to empty.</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Go to the application
– Notify the cashier about the remaining inventory</td><td>Food item: Chicken remain 4 out of 25</td><td>Chef can notify to the cashier with remaining inventory</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition: The chef notified the cashier with the remaining inventory.</td></tr>
</table>

Table 16: FR_16 Test Case

- FR_17: The chefs shall be able to close items when inventory is finished.

Project Name: Food Ordering Management System			Test Designed By: MD. Mahbub Alam	
Test Case ID: TP_FOMS_17			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: MD. Mahbub Alam	
Module Name: Close the item			Test Execution date: December 8, 2019	
Test Title: The chef shall be able to close the item when the inventory is finished				
Description: Test if the inventory will finished then the chef close the item from menu list				
Precondition: The specific item inventory should be finished				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Enter the quantity of chicken is to zero	Chicken = 0 Food item :The chicken burger has closed	Chef can closed the finished item from menu list if inventory is finished.		
Post Condition: The chef has been able to close the item from menu list when the inventory is finished.				

Table 17: FR_17 Test Case

- FR_18: The chefs shall be able to see orders note.

Project Name: Food Ordering Management System			Test Designed By: MD. Mahbub Alam	
Test Case ID: TP_FOMS_18			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: MD. Mahbub Alam	
Module Name: Orders note			Test Execution date: December 8, 2019	
Test Title: The chef shall be able to see orders note.				
Description: The chef see orders note with customer orders				
Precondition: After confirm order chef can see order note.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Check the order list for orders note	Orders list: Table-1	The chef can see the orders note.		
Post Condition: The chef has been able to see the orders note from customer order list.				

Table 18: FR_18 Test Case

4.3.3 Cashier Features

- FR_19: The cashier shall be able to track every orders.

Project Name: Food Ordering Management System			Test Designed By: MD. Mahbub Alam	
Test Case ID: TP_FOMS_19			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: MD. Mahbub Alam	
Module Name: Track orders			Test Execution date: December 8, 2019	
Test Title: The cashier shall be able to track every orders				
Description: The cashier can track every orders from order list				
Precondition: The cashier able to track order after confirm the order.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Select any order from order list for track	Orders list: Table-2	The cashier can track every orders		
Post Condition: The cashier has been track every orders from order list				

Table 19: FR_19 Test Case

- FR_20: The cashier shall be able to add offers

Project Name: Food Ordering Management System			Test Designed By: MD. Mahbub Alam	
Test Case ID: TP_FOMS_20			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): Medium			Test Executed by: MD. Mahbub Alam	
Module Name: Add offer			Test Execution date: December 8, 2019	
Test Title: The cashier shall be able to add offers				
Description: The cashier add offer for customer menu list				
Precondition: The cashier add offer after certain times of confirm order or in a holiday or other time.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Select food items from item list – Add offers	Food item: Chicken Cheese Burger Buy 1 Get 1 Free	The cashier can add offers		
Post Condition: The cashier has been able to add offers for customer menu				

Table 20: FR_20 Test Case

- FR_21: The cashier shall be able to get notification of remaining inventory.

Project Name: Food Ordering Management System			Test Designed By: Riyad Mohammad	
Test Case ID: TP_FOMS_21			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Riyad Mohammad	
Module Name: Notification of remaining inventory			Test Execution date: December 8, 2019	
Test Title: Get notification of remaining inventory				
Description: Test if inventory is empty then the cashier will get a notification.				
Precondition: Cashier must have a valid account.				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Go to the application – Login to the cashier account using valid user id and password. – Click over the notifications button.		Cashier will get notifications of remaining product		
Post Condition: Cashier can brought the ingredients				

Table 21: FR_21 Test Case

- FR_22: The cashier shall be able to create profile of a new chef.

Project Name: Food Ordering Management System			Test Designed By: Riyad Mohammad	
Test Case ID: TP_FOMS_22			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Riyad Mohammad	
Module Name: Create profile of chefs			Test Execution date: December 8, 2019	
Test Title: Create profile for a new chef				
Description: Testing by creating a new chef account				
Precondition: chef must have a necessary information.(User name,Password)				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Click the create new account. – Enter username and password. – Click Submit.	User Name: Chef01 Password: ACBD123	Account will be created successfully		
Post Condition: Chef should change password later.				

Table 22: FR_22 Test Case

- FR_23: The cashier shall be able to fire a chef.

Project Name: Food Ordering Management System			Test Designed By: Riyad Mohammad	
Test Case ID: TP_FOMS_23			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Riyad Mohammad	
Module Name: Fire chefs			Test Execution date: December 8, 2019	
Test Title: Firing Chefs				
Description: The cashier shall be able to fire a chef				
Precondition: Chefs must have a valid account				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Click Fire a chef. – Enter username of chef. – Click Submit.	User Name: Chef01	Chef will be Fired successfully		
Post Condition: Cashier could hire the chef again				

Table 23: FR_23 Test Case

- FR_24: The cashier shall be able to update inventory.

Project Name: Food Ordering Management System			Test Designed By: Riyad Mohammad	
Test Case ID: TP_FOMS_24			Test Designed date: December 8, 2019	
Test Priority(Low, Medium, High): High			Test Executed by: Riyad Mohammad	
Module Name: Update inventory			Test Execution date: December 8, 2019	
Test Title: Test update inventory.				
Description: The cashier shall be able to update inventory.				
Precondition: Cashier must have a valid account				
Test Steps	Test Data	Expected Results	Actual results	Status (Pass/Fail)
– Click Update Inventory – Enter quantity of ingredients. – Click Submit.	Chicken : 10 Cheese : 50	Quantity will be updated		
Post Condition: Chef could see the updated quantity.				

Table 24: FR_24 Test Case

- FR_25: The cashier shall be able to close item when inventory is finished.

<table>
<tr><td colspan="3">Project Name: Food Ordering Management System</td><td colspan="2">Test Designed By: Riyad Mohammad</td></tr>
<tr><td colspan="3">Test Case ID: TP_FOMS_25</td><td colspan="2">Test Designed date: December 8, 2019</td></tr>
<tr><td colspan="3">Test Priority(Low, Medium, High): High</td><td colspan="2">Test Executed by: Riyad Mohammad</td></tr>
<tr><td colspan="3">Module Name: Close Items</td><td colspan="2">Test Execution date: December 8, 2019</td></tr>
<tr><td colspan="5">Test Title: Closing items when inventory finished</td></tr>
<tr><td colspan="5">Description: The cashier shall be able to close items when inventory finished.</td></tr>
<tr><td colspan="5">Precondition: Cashier must have a valid account</td></tr>
<tr><td>Test Steps</td><td>Test Data</td><td>Expected Results</td><td>Actual results</td><td>Status (Pass/Fail)</td></tr>
<tr><td>– Click Close items
– Enter items names.
– Click Submit.</td><td>Chicken Burger</td><td>Item will not show in menu</td><td></td><td></td></tr>
<tr><td colspan="5">Post Condition: Customer can not able to see the itmes in the menu.</td></tr>
</table>

Table 25: FR_25 Test Case

4.4 Features Not to Be Tested

4.4.1 Customer Features

- The customers shall be able to filter item with category.
- The customers shall be able to filter item with items prices.
- The customers shall be able to filter food offers.
- The customers shall be able to add favorite food items.
- The customers shall be able to check their favorite food items list

4.4.2 Cashier Features

- The cashier shall be able to give discount.
- The cashier shall be able to see reviews of foods.

4.5 Risk

Risk	Details	Mitigation
Skills	Team member lack the required skills for android testing.	Plan training course to skill up your members
Resources	The project schedule is too tight.It's hard to complete this project on time	Set Test Priority for each of the test activity.
Leadership	Test Manager has poor management skill	Plan leadership training for manager
Concentration	A lack of cooperation negatively affects your employees' productivity	Encourage each team member in his task, and inspire them to greater efforts.
Defects	Defects are found at a late stage of the cycle	Defect management plan is in place to ensure prompt communication and fixing of issues.

Table 26: Risks during testing