

# **TEST PLAN**

## **For**

# **Food Delivery Service Management System**

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# **1.Test Plan Identifier**

## **FDSM-V1.00**

## **2.References**

IEEE – 829 Document provided in lab.

## **3.Introduction**

A very high-level overview of the testing strategy for Food delivery and service Management software is provided in this document. The main objective is to convey the quality standards and procedures of the FDSM. This document will address some of the features that will be tested. After that it lists all the scenarios that can arise for each mentioned feature. The basic motive is to just make sure that at the end of testing process, it must perform all features as expected in the test plans. It will also make sure that the software never crashes unexpectedly or never goes to an inconsistent state. The estimated timeline of this project is 1 month. After the project is completed all test features will be tested.

## **4.Test Items**

Testing is the process of analysing a software item to detect the differences, find the defects in existing and to evaluate the features of the software item. Specific test plan components include:

- Purpose for this level of test
- Pass/Fail Criteria
- Hardware/Software requirements

## 5.Features to be tested

- The following is the list of main features that are mainly focused during the testing of applications:
- Checking the working of login with valid user id and password
- Editing the food item in menu
- View the list of past, current orders for customer as well as restaurants
- Checking availability of delivery agent.
- Generating a valid bill with OTP after transaction.
- Also generating some statistics of sales

## 6.Features not to be tested

We will not specifically focus on the area that:

- Project will not decide the allotment of promotional offers given to the customer. It is also dependent on the manager's side, he may give it manually.
- After checking the sale statistics it will completely depend on the manager's side which food item to add or delete or change its price.
- We are not adding the feature that while estimating the time of delivery we cannot keep the delivery time delay due to the conditions such as weather or the traffic.

## 7.Approach (strategy)

Currently we are doing just the UNIT testing part, UNIT Testing will be done by the developer and will be approved by the development team leader. I.e all the functions and modules will be tested individually. The software will be executed and then all the tests will be cross checked with ones we have given theoretically.

### 7.1Unit testing

UNIT test cases are just related to the code level things like bad syntax, any logic errors or to try out the testing of any particular function or code modules. UNIT testing comprises testing of all

the classes used and the frontend of our website. Unit test is there to test the validity of the program's correctness.

## 7.2. Testing the frontend

In this part we will be testing the frontend of our website with cross checking with all the feature cases as we have expected and the design of our website screen is correct or not. Then after that manually entering values for the login and other features.

- **Test Scenarios for the Frontend GUI Interface**

- **Login Page**

- Login can be chosen from the manager, customer, deliveryagent, restaurant using a drop-down menu.
- If the correct Id and password are input, then it logs in to the respective account.
- If an incorrect id or password are input, it shows an error message.
- If we wish to create a new account, then we can click on Register and it will take us to the sign up page.

- **Manager Profile Page**

- Statistics: If we click this link it directs us to the Reports page, where the manager can see the statistics for the various transactions made.
- Users: On clicking this link, the edit users page opens up, where the manager can see all the details of restaurants, customers and delivery agents.
- Profile: This is the page that will be shown first when the manager logs in although there is also a link provided in the navigation bar if someone wants to see their profile in which it will display name, email ID.
- Promotion: This option helps the manager to recommend to the customers.
- Discount : This link takes us to the page where the list of restaurants can be visible and where discounts can be given and can be edited by the manager.

- Logout: This link logs you out and shows the message “You are logged out”.

## • **Restaurant Profile Page**

- Statistics: If we click this link it directs us to the Reports page, where the restaurant can see the statistics for the various transactions made by that restaurant.
- Menu: On clicking this link, the restaurant menu page opens up, where the restaurant can see all the food items of restaurants and edit their details
- Profile: This is the page that will be shown first when the restaurant logs in although there is also a link provided in the navigation bar if someone wants to see their profile in which it will display name, email ID.
- Orders: The restaurants can see its previous orders , pending order and accept orders and assign delivery agents
- Logout: This link logs you out and shows the message “You are logged out”.

## • **Customer Profile Page**

- Menu: On clicking this link, all the restaurants and their menu are visible and order the food items .
- Profile: This is the page that will be shown first when the customer logs in although there is also a link provided in the navigation bar if someone wants to see their profile in which it will display name, email ID.
- Orders: The customer can see his/her previous orders , pending orders
- Logout: This link logs you out and shows the message “You are logged out”.

## • **Delivery Agent Profile Page**

- Profile: This is the page that will be shown first when the customer logs in although there is also a link provided in the navigation bar if someone wants to see their profile in which it will display name, email ID.

- Deliveries : The delivery agent can see his previous deliveries , pending deliveries and rate his deliveries.
- Logout: This link logs you out and shows the message “You are logged out”.

### **7.3.Testing the backend and database**

Backend consists of all parts of coding to receive and the data so it will test all the methods and modules in classes used. We make a testing class for each of the backend classes, the test class has the unit testing methods for each of the individual methods in the classes. The output generated will be cross checked with the expected output. Most of the database related things are done in the backend like the database queries and updates.

## **8.Test Deliverables**

- Acceptance test plan
- System/Integration test plan
- Unit test plans/turnover documentation
- Screen prototypes
- Report mock-ups
- Defect/Incident reports and summaries
- Test logs and turnover reports

## **9.Staffing and training needs**

For developers there are five members in team so for every task work is divided equally among all. Developers need to learn web development and should have knowledge of python and Django. Apart from developers some testers and operating staff will be needed for used of FDSM.

In order to give a good overview, we need to focus on following areas for training:

The developers need to be trained with web development. While providing the software to other party the operating staff is needed to be trained with all the working features of software.

The sales administration staff will require training for using new software and screens and reports.

Also one team is needed for installing the hardware setup like PC and to do a practical demonstration of the working of FDSM after final installation.

## **10.Schedule**

Time has been allocated within the project plan for the following testing activities. Basically in this project there are 6 main classes we divided two for each. Completing the software efficiently in the given time, like following all the rules stated in 'Test Items', 'Features need to be tested.'

## **11.Planning Risks and Contingencies**

The developer team just consists of five members and the deadline for providing a final project is very close. Due to which some of the test cases might get excluded from the project. The website might crash for a large set of data.