CLEVELAND STATE UNIVERSITY



**CIS 694 – Object-oriented Software Engineer**

**TEST SPECIFICATION**

**Project: Restaurant Management System**

**Presented By:**

**Group 5**

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**1.0 Introduction**

Basically, Testing is the process of executing a program or system with the intent of finding software bugs, errors or other defects which may cause damage to the project Stake holders and make sure that system functionalities are tally with user functional requirements. Shortcomings can be in any Stage of the Software development cycle.

These shortcomings can cause the system to malfunction or cause serious issues in fine dine. It is important to identify all these errors and fix them before handing it over to the customer.

**1.1 Goals and objectives**

The goal of project evaluation is to evaluate the software development process that was applied during the framework's development, as well as the utility of the tools and technologies, the precision of the projections, and the value of the reviews. The solution will be examined and assessed to determine whether it achieves the goals outlined in the initial overview and for the product's quality.

The evaluation of Restaurant Management System in terms of their ability is to inform users, including the following aspects:

• Measures for the effectiveness of the system.

• Technological measures for evaluating the system.

• User-oriented measures.

• Feedback.

**1.2 Statement of scope**

The main objective of this project is to develop a restaurant management system that will allow restaurants to manage their operations and improve their customer service. However, the system's central functions are also related to the production of reports.

The creation and deletion of orders, the removal and addition of food workers from a request, and the closing of orders are all part of the restaurant management process. The system's database should contain all the orders placed and relate them to the important project tasks. Testing and implementation take somewhat longer than planned to complete.

The user should be able to log in to the website and do the following:

- Add to cart and check out.

- Access the services such as editing the cart, adding, and removing items.

- Able to access internet.

- Able to order the food from the catering section for any party order.

**2.0 Test Plan**

This section describes the overall testing strategy, and the project management issues that are required to properly execute effective tests.

**2.1 Software to be tested**

The online websites will be tested in Amazon Web Services. And we can check it from the admin’s laptop whether the localhost is up and running.

**2.3 Testing tools and environment**

The test environment for tools is before running the python shell and compiling the app.py, we need to make sure whether the MySQL database is up and running. And then we can compile the app.py and wait for the localhost:5000 and the webpage starts running. There we can login, signup and then go deep into the website to see the Menu, testimonials and adding items to cart, etc.

Coming to Hardware we need to make sure MySQL and python are installed in the admin’s laptop and make sure the internet connection is stable.

**2.4 Test schedule**

A detailed schedule for testing is described. For this application, the waterfall model is used. So, after the application is created, testing will take place. However, during development, each developer will carry out unit testing.

**3.0 Test Cases**

This section enumerates a complete list of test cases for the software. The template of test cases is as follows in the below table.

Testing such system requires testers to create menu items with different combinations and validating the changes are pushed correct to the POS system.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case Name | Test Steps | Action | Test Data | Expected Result | Test Result |
| Launch site and login | 1 | <http://localhost:5000/> |  | Login page display | Login page display |
| Login | 2 | <http://localhost:5000/> | [username=aaa@gmail.com](mailto:username=aaa@gmail.com)  password=aaa | Login successfully and goto main login page | Login successfully and goto main login page |
| Signup | 3 | <http://localhost:5000/signup> | [username=ccc@gmail.com](mailto:username=ccc@gmail.com)  password=ccc  confirm password = ccc | Signup successcully and goto login page | Signup successcully and goto login page  <http://localhost:5000/login> |
| Forgot password | 4 | <http://localhost:5000/forget> |  | Goto forgot page | Goto forgot page |
| Forgot password | 5 | <http://localhost:5000/forgetpassword> | [username=ccc@gmail.com](mailto:username=ccc@gmail.com) | Goto forgot page | Goto forgot page |
| Forgot password | 6 | <http://localhost:5000/forgetpassword> | Password=fff | Change password successfully and goto login page | Change password successfully and goto login page |
| Main pages | 7 | <http://localhost:5000/res/home/> |  | After login goto main page | After login goto main page |
| Menu pages | 8 | <http://localhost:5000/res/res_list/> |  | Click menu in menu bar, goto menu page | Click menu in menu bar, goto menu page |
| Details | 9 | <http://localhost:5000/res/add_cart/?name=Manchow%20Soup> | Manchow Soup | Goto add\_cart page | Goto add\_cart page |
| Add Cart | 10 | <http://localhost:5000/res/add_cart/> |  | Add cart page | Add cart page |
| Checkout | 11 | <http://localhost:5000/res/my_cart/> |  | My cart page | My cart page |
| Checkout | 12 | <http://localhost:5000/res/checkout/?name=Manchow%20Soup> |  | Checkout page | Checkout page |
| Checkout | 13 | <http://localhost:5000/res/my_cart/> |  | After checkout, goto mycart page | After checkout, goto mycart page |
| Gallery | 14 | <http://localhost:5000/gallery/gallery> |  | Gallery Page | Gallery Page |
| Catering | 15 | <http://localhost:5000/catering/catering> |  | Catering Page | Catering Page |
| Cater Placed | 16 | <http://localhost:5000/caterplace> |  | Catering Placed successfully | Catering Placed successfully |
| About us | 14 | <http://localhost:5000/about/about> |  | About us page | About us page |
| Contact us | 15 | <http://localhost:5000/contact/contact> |  | Contact us page | Contact us page |