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American International University-Bangladesh (AIUB)  
Department of Computer Science  
Faculty of Science &Technology (FST)  
Summer 23 24

Section: B  
Software Quality Assurance and Testing

Online Food Ordering System

A Report submitted

By

|  |  |  |
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Name:

Designation:

Company:

Sign:

Date:

Software Test Plan

**For**

Food Ordering System

Version 1.0 approved

Prepared by- Lamyea Farha Nammi

Mohammad Bin Harun, Taiyaba Akter.

< American International University-Bangladesh >

Date: 29-09-2024

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Revision History

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| --- | --- | --- | --- |
| Revision | Date | Updated by | Update Comments |
| 0.1 | 2007.06.04 | Lamyea | First Draft |
| 0.2 | 2007.06.19 | Mohammad | Second Draft |
| 0.3 |  |  |  |
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1. TEST PLAN IDENTIFIER: Food Ordering System(Tounge Teaser) RS-MTP01.3
2. REFERENCES

1.Software Requirement Specification (SRS) Document.

3. INTRODUCTION

Background to the Problem:

With the growing demand for convenience in daily life, especially in the fast-paced world of today, food ordering has become a critical part of how people access their meals. However, many existing systems for ordering food are either outdated, fragmented, or inefficient, creating friction for both customers and food businesses. Customers face challenges such as unclear or incomplete menu information, complex ordering processes, lack of personalized recommendations, and insecure or cumbersome payment methods. Additionally, many small or independent food establishments struggle to implement streamlined online ordering systems due to a lack of technical expertise or high costs.

Solution to the Problem:

An online platform that integrates modern functionalities into a seamless, user-friendly interface can enhance customer satisfaction while helping food businesses operate more efficiently. A food website or platform with these features simplifies the customer experience, boosts restaurant sales, and provides valuable insights, making it an essential tool in today's food industry.

* Order from Anywhere.
* No Need to Queue.
* Order Tracking and Wait Time.
* Fairness and Transparency.
* Personalized Experience.
* Quicker Checkout.
* Real-Time Menu Updates.

4.REQUEIREMNT SPECIFICATION:

**4.1 System Features**

1. **User’s Login:**

* User can Login to the system to enter user email and password.
* To successfully login user redirected to dashboard of users.
* If login failed, then users cannot get or redirect to login successfully.
* Priority Level: High
* Precondition: Users must have a valid email and password.

1. **Users Register**

* New users will have valid information such as their name, email, number.
* If the registration will successful after that user can see the home page.
* Priority Level: High
* Precondition: Users must have valid information.

1. **Food Category/ Menu**

* Users can choice various of food as their opinion such as Fast food, Main dishes, Drinks, Desserts.
* Users can view it as their selected food.
* Priority Level: Medium
* Precondition: Users login required.

1. **Order**

* Users can add to cart their own chooses food
* Users can view the cart section and place orders if affirmatively.
* Priority Level: Low
* Precondition: Available of food

1. **Cart**

* Users can add to cart their own chooses food
* Users can view the cart section.
* Priority Level: Low
* Precondition: Available of food

1. **Update Profile**

* Users can update their profile information.
* Priority Level: Medium
* Precondition: Must have to login

1. **Admin Login**

* Admin can Login to the system to enter user email and password.
* To successfully login admin redirected to dashboard of admin.
* If login failed, then admin cannot get or redirect to login successfully.
* Priority Level: High
* Precondition: Admin must have a valid email and password.

1. **Admin Track Orders**

* Admin can track all the orders from users were ordered
* If admin accepts the order, then the users order must be completed otherwise it can be rejected or also be pending their orders.
* Priority Level: High
* Precondition: Admin must have login required

1. **Add Product**

* Admin can add food/product into food list if required
* Priority Level: High
* Precondition: Admin must have login required

1. **Users Track**

* Admin can track all the users those have been registers in their system
* Admin can delete users from their system
* Priority Level: Low
* Precondition: Admin must have login required

**4.2 System Quality Attributes:**

There is some software quality attributes as per ISO/ IEC 9126 that are very important to ensure quality of software.

**Usability:** The system must be user-friendly. The system should be intuitive and simple to navigate.

**Accessibility:** As it is web-based software, it can be accessed from anywhere through the Internet.

**Efficiency:** The system should maximize the capacity and memory of the processor. Any task should be completed with optimal efficiency.

**Security:** System security should be sufficient to prevent unauthorized access to system functions, to prevent information loss, protect data privacy, and safeguard the system against viruses.

**Testability:** The system should be simple to test and identify flaws.

**Flexibility:** The system should be flexible enough to be modified.

**Reliability:** All features will work as intended across a range of working environments or devices.

**Maintainability:** If a bug or problem is found in the system, it will be solved as soon as possible

**Portability:** Switching the host or environment can be done in a short time. Reinstallation of the software can be done easily as well

**Reusability:** Code library classes should be general enough to be utilized on multiple versions of an application or new projects.

**Installation:** There won't be any time-consuming downloads or installations because it is web based.

**4.3 System Interface:**

This is the home interface of Food website (Tounge teaser). All types of users will first see this home page.

A pizza on a white background

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Fig 1: System Home Page

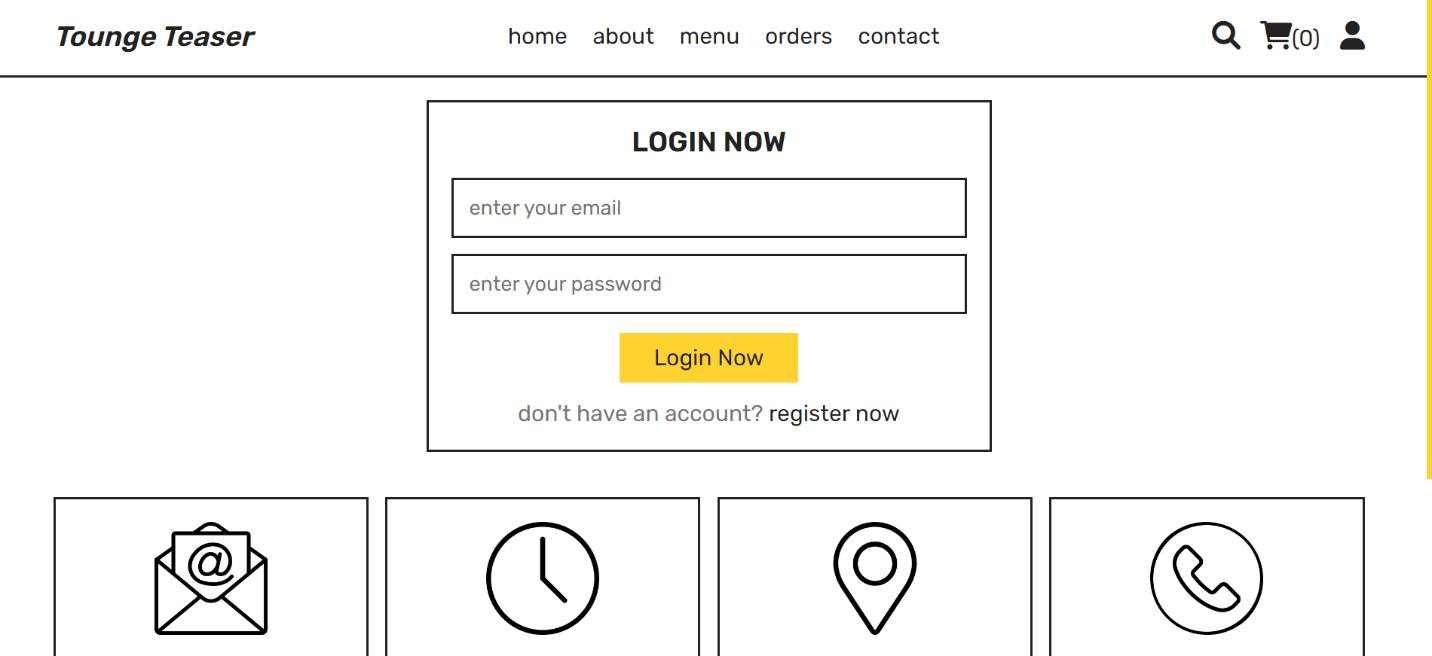


Fig 2: System login Page

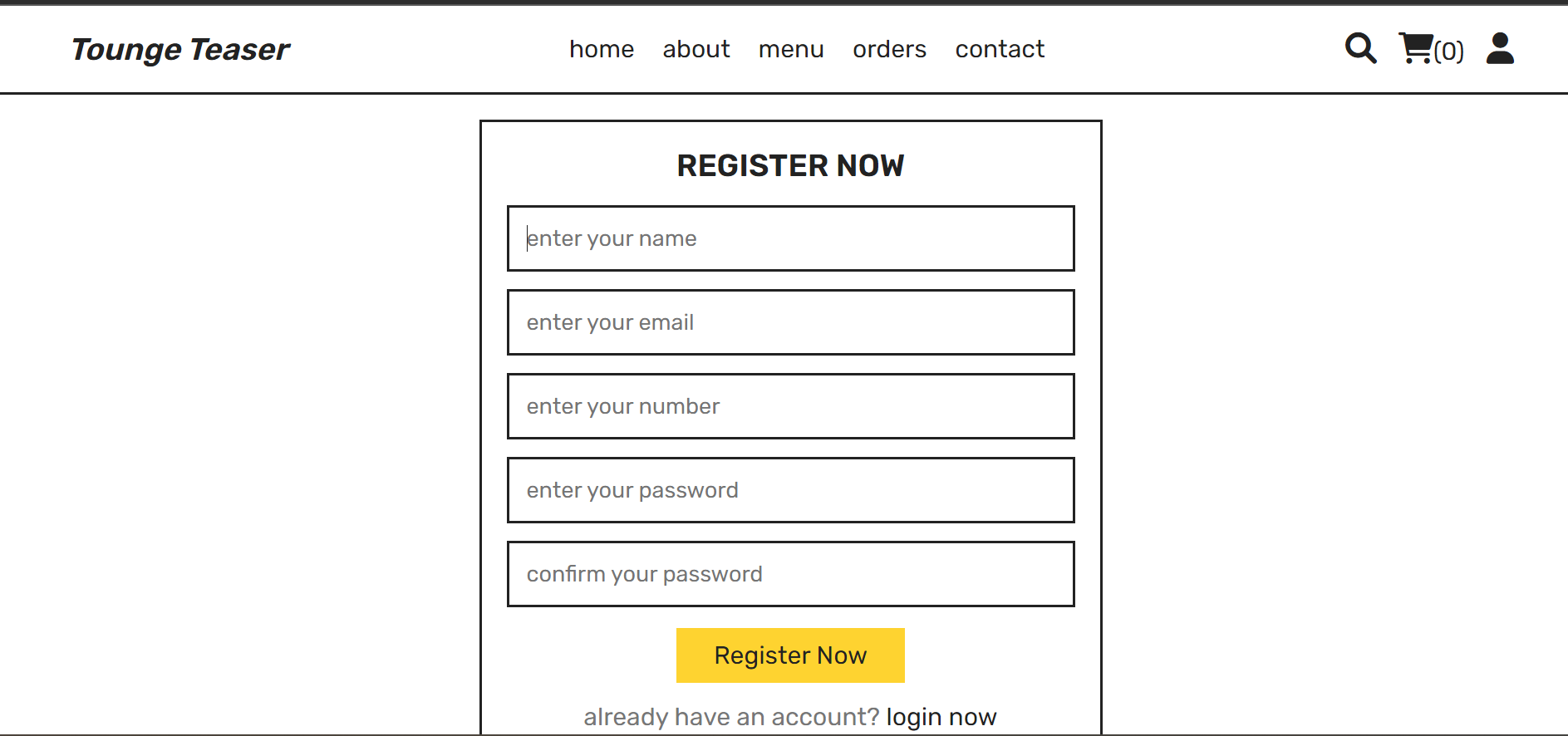


Fig 3: System Registration Page

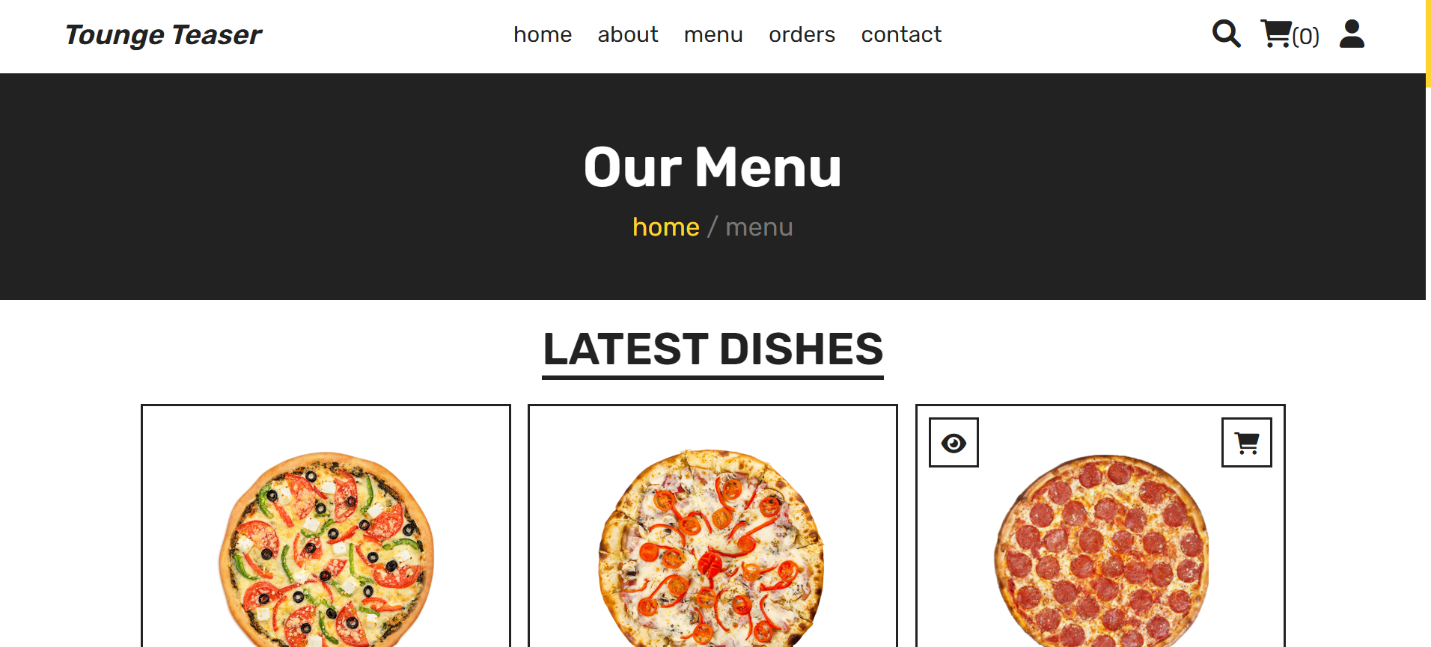


Fig 4: System Menu Page

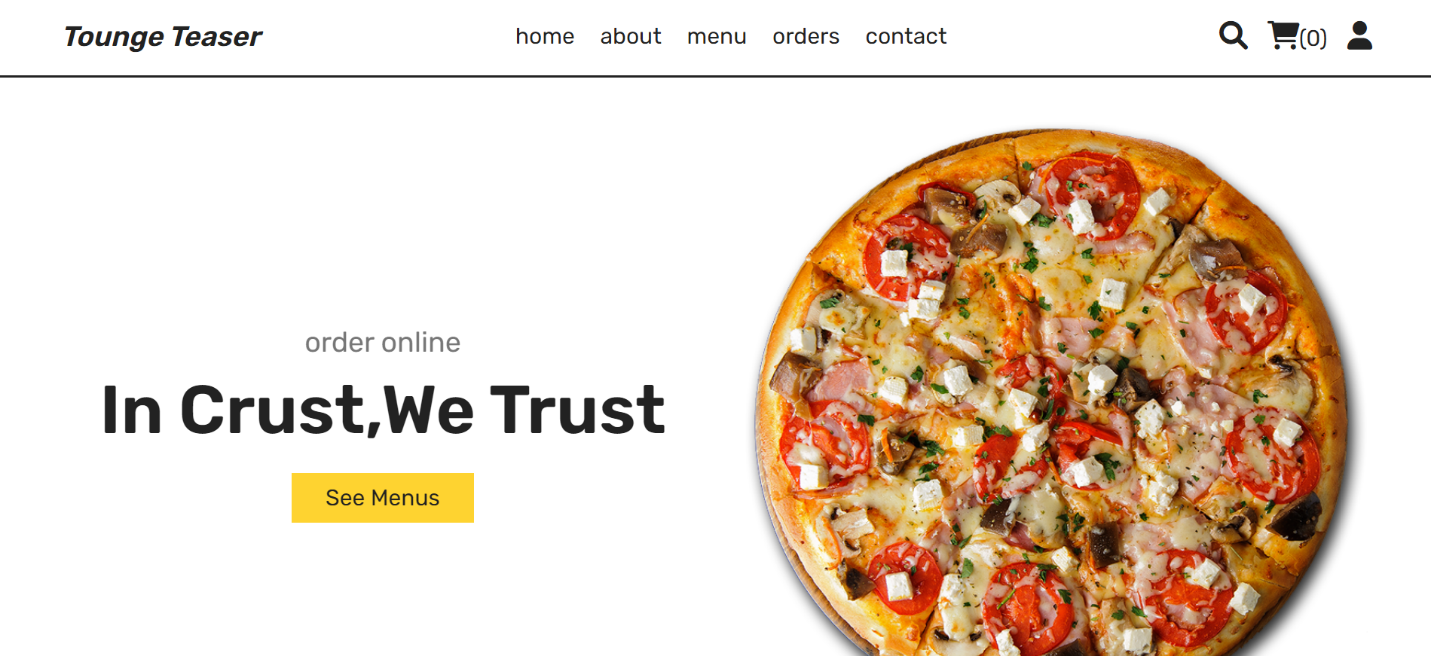


Fig 5: System order Page

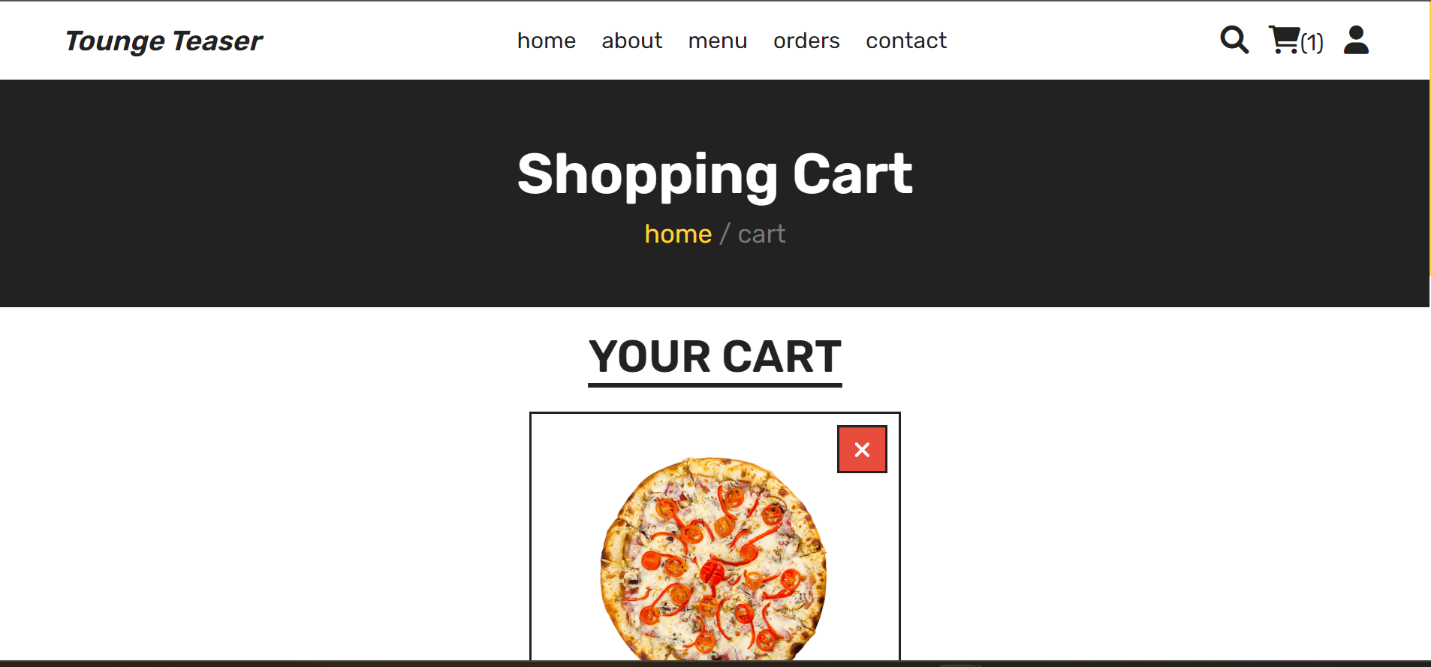


Fig 6: System cart Page

A screenshot of a computer

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Fig 7: update profile

A screenshot of a login box

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Fig 8: Admin login

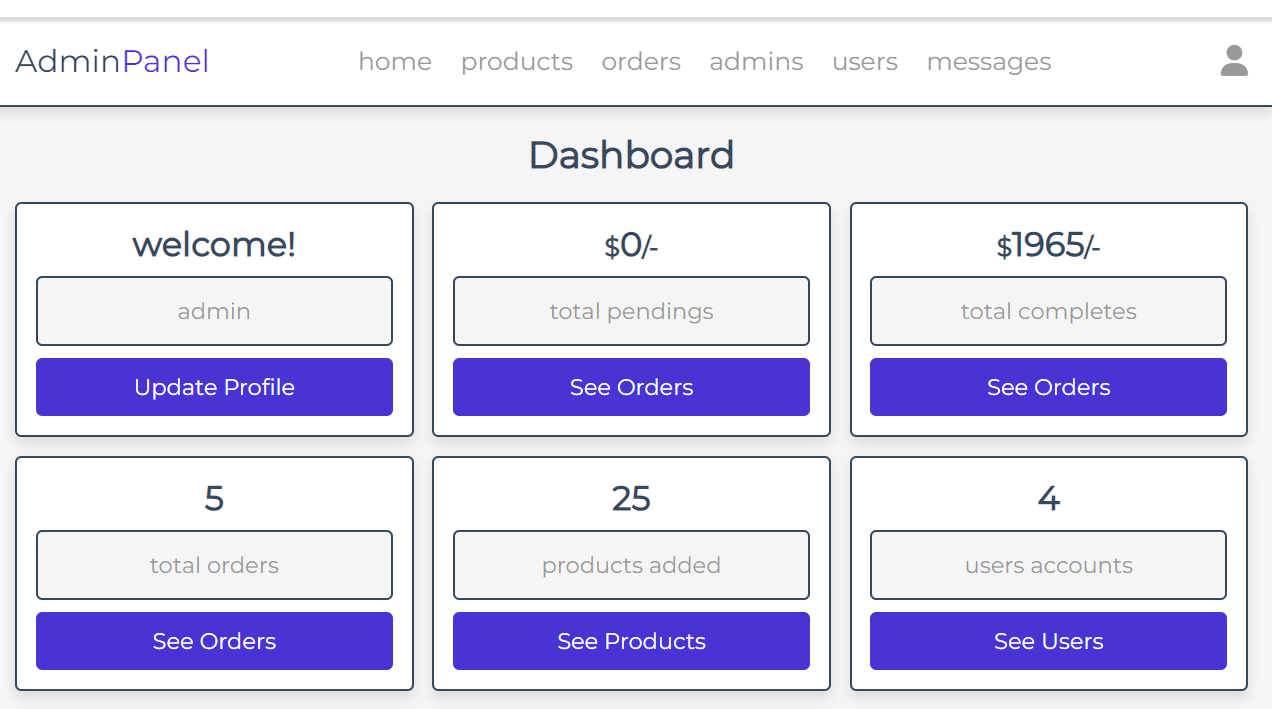


Fig 9: Admin dashboard. (Admin Track)

A screenshot of a computer

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Fig 10: Add Product

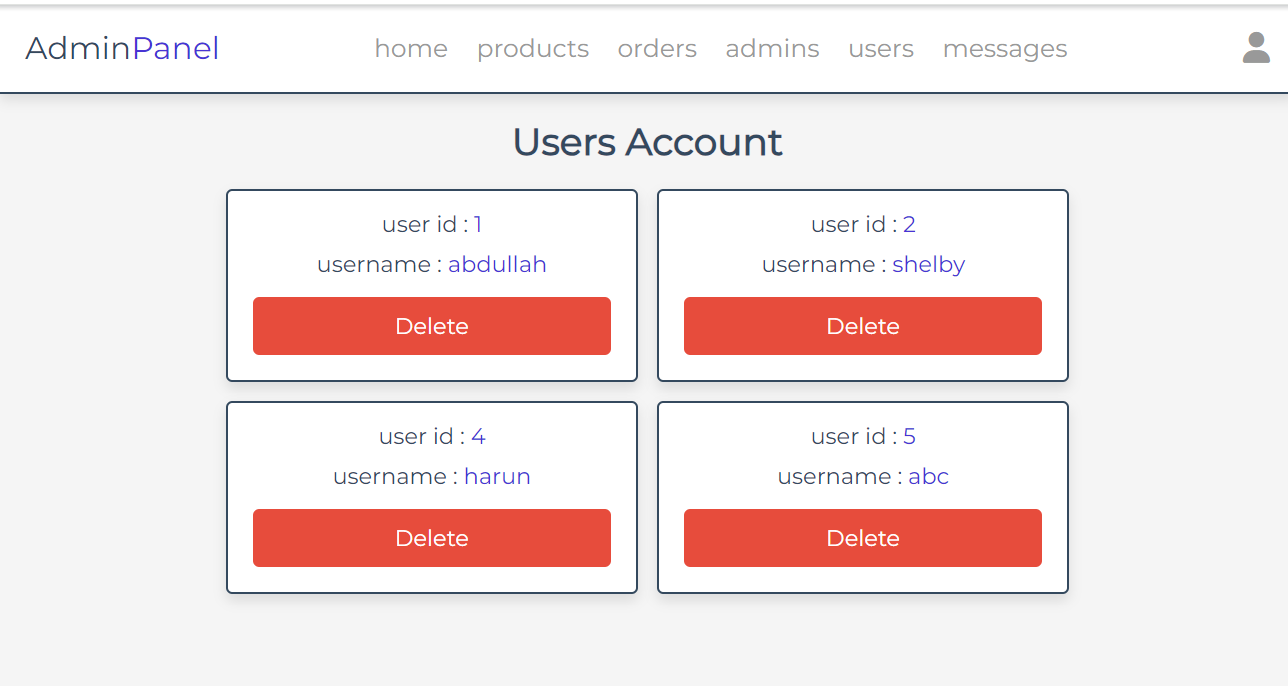


Fig 11: Users Track

## **4.4. Project Requirements:**

* Time: This web-based application may take about 2.5 months (90 days) to complete.
* Budget: 3,50,000 BDT o Size: The final size of this web-based application will not be more than 500-600 MB. o HTML, CSS, PHP, JavaScript, JQuery and Ajax will be used to build this web-based application

### **5. FEATURES NOT TO BE TESTED:**

The following is a list of the areas that will not be specifically addressed. All testing in these areas will be indirect because of other testing efforts. For example:

* PC based spreadsheet analysis applications using Reassigned Sales data. Because these applications are under the customer's control and are outside the scope of this project. The necessary database format information will be provided to the customers to extract data. Testing of their applications is the responsibility of the application maintainer/developer.

### **6. TESTING APPROACH:**

**UNIT TESTING:** Unit testing is the first phase of testing, which is done by the developer himself. During the development of the software, after completing the code of a small unit, the developer tests whether it is working perfectly or not. It will be approved by the development team leader. A progress report for the unit testing is provided to the test person to let them know the current situation of the software

**SYSTEM/INTEGRATION Testing:** Then, in the second section, we will do the integration. During this testing, we will ensure that all software components are logically integrated, tested as a group, and functioning properly. This level of testing seeks to identify weaknesses in how different software components interact when they are combined. In this step, we will implement "bottom-up integration.

**ACCEPTANCE TESTING:** The final stage of software testing is acceptance testing. It is done by the real-time users of that software. A beta version of the software is released in the market. Users use the software, and based on their experience, they submit a review. Bugs are resolved as quickly as possible. Acceptance testing validates the effort of both the testing and developer teams and reflects the quality of the software overall

#### **6.2 Test Tools:**

For the project required testing tools are described below –

Selenium: The only test tool to be used is Selenium WebDriver. Selenium automates browser-based web applications, allowing an agile tester to automate repeated test scripts so they can come up with more critical test scenarios.

The testing will be done in the eclipse with the Java programming language.

### 7. TEST CASES/TEST ITEMS:

The test process will be completed once the initial set of distributors have successfully sent in reassigned

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| --- | --- | --- | --- | --- | --- |
| Project Name:  Food Ordering System | | | Test Designed by: Mohammad Bin Harun | | |
| Test Case ID: CPR\_3 | | | Test Designed date: 09/09/2024 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Lamyea | | |
| Module Name: Food Category/ Menu | | | Test Execution date: 17/09/2024 | | |
| Test Title:  verify Menu of the website | | |  | | |
| Description: Ensuring proper management, the Menu of the website. | | |  | | |
| Precondition (If any):   User must be logged in | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1.Go to the website    2.Enter username  3.Enter password    4.Click submits.    5.Navigate to the food selection page (e.g., menu or food section).    6.Verify that the selected food items are correct and displayed as per the user's selection. | Username: Abu  Password: 1234ad2f  Food items to select:  # Burger.  # Drinks.  # Ice Cream.  Etc. | • Users must be able to select and view their chosen food items after logging in.  • The selected items should appear correctly categorized, and the user should be able to verify and review them. | | As expected, | Pass |
| Post Condition: User logs out successfully, and the session ends. No sensitive data (such as login credentials or selected food items) should persist after logging out, ensuring data privacy and session security. | | | | | |

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| Project Name: Food Ordering System | | | Test Designed by: Taiyaba Akter | | |
| Test Case ID: CPR\_4 | | | Test Designed date: 09/09/2024 | | |
| Test Priority (Low, Medium, High): low | | | Test Executed by: Lamyea L | | |
| Module Name: Order | | | Test Execution date: 18/09/2024 | | |
| Test Title: Verify users can add food to the cart and place orders. | | |  | | |
| Description: Ensuring proper management, the Cart and menu section of the website. | | |  | | |
| Precondition (If any): Food items must be available. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1.Go to the website  2.Enter username    3.Enter password  4.Click submits.  5. Review the cart to ensure all added food items are correctly listed with accurate details.  6. Click on the "Place Order" button after reviewing the cart. | Username: Abu  Password: 1234ad2f  Food items to select:  # Burger.  # Drinks.  # Ice Cream  Etc. |  Users can add available food items to the cart.  . The cart should reflect the correct details of the selected food items, including their quantities and pricing.  User can successfully place an order and receive the confirmation. | | As expected, | Pass |
| Post Condition: The user's order should be placed and logged in the system. The cart should be emptied after the order is confirmed. No items should remain in the cart for future sessions unless the user adds new items. | | | | | |

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| Project Name: Food Ordering System | | | Test Designed by: Taiyaba Akter | | |
| Test Case ID: CPR\_4 | | | Test Designed date: 09/09/2024 | | |
| Test Priority (Low, Medium, High): low | | | Test Executed by: Lamyea L | | |
| Module Name: Order | | | Test Execution date: 18/09/2024 | | |
| Test Title: Verify users can add food to the cart and place orders. | | |  | | |
| Description: Ensuring proper management, the Cart and menu section of the website. | | |  | | |
| Precondition (If any): Food items must be available. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1.Go to the website  2.Enter username    3.Enter password  4.Click submits.  5. Review the cart to ensure all added food items are correctly listed with accurate details.  6. Click on the "Place Order" button after reviewing the cart. | Username: Abu  Password: 1234ad2f  Food items to select:  # Burger.  # Drinks.  # Ice Cream  Etc. |  Users can add available food items to the cart.  . The cart should reflect the correct details of the selected food items, including their quantities and pricing.  User can successfully place an order and receive the confirmation. | | As expected, | Pass |
| Post Condition: The user's order should be placed and logged in the system. The cart should be emptied after the order is confirmed. No items should remain in the cart for future sessions unless the user adds new items. | | | | | |

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| Project Name:  Food Ordering System | | | Test Designed by: Taiyaba Akther | | |
| Test Case ID: CPR\_5 | | | Test Designed date: 24/09/2024 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Mohammad Bin Harun | | |
| Module Name:  Cart | | | Test Execution date: 26/09/2024 | | |
| Test Title: Add item to cart and verify cart update. | | |  | | |
| Description: Ensure that item can be added to the cart and the cart updates correctly. | | |  | | |
| Precondition (If any):   user has internet connectivity and user is either login or visiting as a guest. | | | | | |
| Test Steps: | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1. Go to the site  2. Add an item to the cart by selecting it from the menu.  3. Navigate to the cart.  4. Verify that the cart is updated with the correct item name, quantity and price update accordingly.  5. Remove one item and check if the total price and cart content are updated | Username: Abu  Password:  1234ad2f | The home page should load quickly, and all sections should be visible and functional. | | As expected, | Pass |
| **Post Condition:** The system should allow users to place an order successfully or continue interacting with the cart. | | | | | |

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| Project Name:  Food Ordering System | | | Test Designed by: Lamyea | | |
| Test Case ID: CPR\_6 | | | Test Designed date: 11/09/2024 | | |
| Test Priority (Low, Medium, High): Medium | | | Test Executed by: Mohammad Bin Harun | | |
| Module Name:  Update profile | | | Test Execution date: 20/09/2024 | | |
| Test Title:   Users can update their profile information after logging in. | | |  | | |
| Description: Ensuring proper management, the update profile section of the website. | | |  | | |
| Precondition (If any):    User must be logged in to update profile information. | | | | | |
| Test Steps | Test Data | Expected Results | | Actual Results | Status (Pass/Fail) |
| 1.Go to the site  2.Enter Username and password   1. Access profile and update 2. Save changes 3. Verify profile updated confirmation   6.Check updated profile | Username: Abu  Password: 1234ad2f  New password:  ABC123  Confirm Password | The information profile should still be saved and displayed correctly. | | As expected, | Pass |
| Post Condition: The user's profile is successfully updated, a confirmation message is displayed, the changes persist across sessions, and no invalid data is saved. | | | | | |

### 8. ITEM PASS/FAIL CRITERIA

This section's main objective is to describe the PASS/FAIL criteria for the tests that are part of this project. Any system or unit receiving a score of less than 90% will be subject to the failure criteria, and any component, unit, system, or integrated test item receiving a score of 90% to 95% will be considered to meet the pass criterion.

### 9. TEST DELIVERABLES

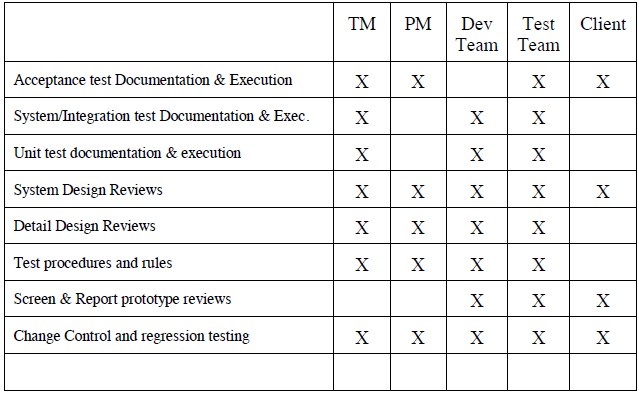
Test Deliverables are documents given to stakeholders when the software is being developed. It contains a list of documents, tools, and other equipment that must be created, provided, and maintained to support testing activities in a project.

* Unit testing findings and results will be properly documented. To stay on track, a continuous progress report is required.
* Audience for acceptance tests will be carefully selected, as wrong users can lead to incorrect results and feedback. It is like a contract for development team release and software delivery.
* During the time of integration testing, new modules are integrated into the system. And these records needed to be kept for further checking.
* Project management tools such as Jira, Trello, and others can be used to keep track of the progress report.
* After completing each of the testing phases, the details report will be generated containing the test results.

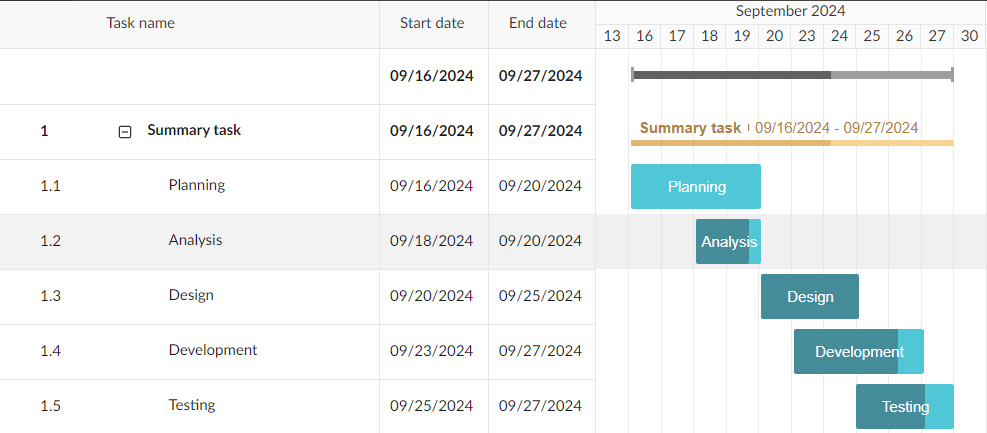
### 10. STAFFING AND TRAINING NEEDS:

The goal of this staffing strategy is to maximize the likelihood that enough qualified people will be assigned to the project to ensure its successful completion. Proper training and staffing enable employees to think outside of the box and increase efficiency, which is important for product development. We need at least one full-time tester during the system/integration and acceptance testing phases of our project. A dedicated tester will work on the project full-time for the first four months. When there is not enough time for a dedicated tester, the test manager steps in. Developers and testers will need training on the basics of our project's user interface. Operations staff must also undergo comprehensive training in this project communication procedure before the project is greenlit. As we will be using Selenium, we must bring all necessary tools to support the testing team, and necessary training is also needed to be provided if it is necessary.

### 11. RESPONSIBILITIES:



### 12. TESTING SCHEDULE:



### 13. PLANNING RISKS AND CONTINGENCIES:

Effective risk and emergency planning is extremely important to a project's success. It is employed within a project to manage the risk of exceptions. The designed product must be aligned with the service areas, ethics, and etiquette; otherwise, it will not be able to reach its own goal. Also, there are some rules and regulations for the organization to cope with uncertain situations. It is very important to have this sort of system and to maintain it appropriately.

### 14. APROVALS:

