Raw Food Items E-Mart

Final Report

Group - 4 (IMG):

- Abhishek (2020-IMG-002)
- Aman Pachori (2020-IMG-007)
- Siddharth Butoliya (2020-IMG-061)

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Table of Content

1. Introduction

This section will give the scope and overall idea of everything included in this final document.

1.1. Purpose

The purpose of this document is to highlight the detailed contribution of each member to all the elements of the project beginning from the Feasibility Report to the actual implementation itself. It also highlights the rigorous testing done by the team.

1.2. Overview

The remaining document contains three sections and multiple sub-sections.
The second section details the testing of various components done by the team.
The third section provides the contributions and the stats about the software creation along with the details of the individual members of the group. It specifies the detailed contribution of each member to the various documents created during the project timeline.
Finally, the fourth section provides details about the GitHub repository and the tech stack used in the project.

2. Testing

2.1. Test Logs

The software was tested manually with a large number of tests varying from status code checks to right content deliveries. The testers covered all the edge cases and all the features of the software.

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2.2. Outputs

The decision of tests is decided according to the given rules:

- **Pass:** The test is successfully passed
- **Fail:** The given test case failed
- **Not Run(NR):** Not executed
- **Not Completed(NC):** Some test cases set to NR

2.3. Tests

Test ID	Feature	Expected Result	Actual Result	Status
TC1	Navbar	Rendering at top	As Expected	Pass
TC2	Footer	Rendering at bottom	As Expected	Pass
TC3	Logo	Logo is rendered properly	As Expected	Pass
TC4	Load Login Page	Login page loaded	As Expected	Pass

TC5	Load logout page	Logout Page loaded	As Expected	Pass
TC6	Press Add to Cart button	Item added to cart	As Expected	Pass
TC7	Proceed to Checkout	Redirect to checkout page	As Expected	Pass
TC8	Track Order Page	Track order page loaded	As Expected	Pass
TC9	Load Homepage Images	Homepage loaded	As Expected	Pass
TC10	Redirect to Payment Gateway	Third-party payment gateway reached	As Expected	Pass
TC11	Load dashboard	Seller dashboard loaded	As Expected	Pass
TC12	Generating Weekly Report	Weekly report generated	As Expected	Pass
TC13	Login Status	Login Successful	As Expected	Pass
TC14	Logout Status	Logout Successful	As Expected	Pass
TC15	Product Title	Display Product Title	As Expected	Pass
TC16	Product Description	Display Product Description	As Expected	Pass
TC17	Product Thumbnail	Render Thumbnail	As Expected	Pass
TC18	Product Rating	Display rating	As Expected	Pass
TC19	User Account Configuration	Configure account settings	As Expected	Pass

TC20	Order Confirmation Dialogue	Display order confirmation dialog.	As Expected	Pass
TC21	Payment Confirmation Dialog	Display payment confirmation dialog.	As Expected	Pass

2.4. Overall Result

- **Number of tests:** 21
- **Pass:** 100%
- **Fail:** 0%
- **NR:** 0%
- **NC:** 0%

3. Project Contributions

3.1. Feasibility Report

- Abhishek (2020-IMG-002)
  - Introduction portion and document formatting
    - Overview of the Project
    - Objectives of the Project
    - The Need for the Project
    - Overview of Existing System and Technologies
    - Scope of the Project
    - Deliverables
- Aman Pachori (2020-IMG-007)
  - The consideration portion
    - Performance
    - Security
    - Usability and Ease of Use
    - Capacity and Scalability
    - Availability

- Siddharth Butoliya (2020-IMG-061)
  - Feasibility Study
    - Financial feasibility
    - Technical feasibility
    - Resource and Time feasibility
    - Risk feasibility

3.2. Software Requirements Specifications

- Abhishek (2020-IMG-002)
  - Introduction Section
  - Customer Use Cases: Add Items, Checkout, Use Promotion
  - Seller Use Cases: Add Item, Edit Item
  - System Use Case: Send Email, Payment Receipt
  - Respective functional requirements for use cases
  - Activity Diagram
- Aman Pachori (2020-IMG-007)
  - System Environment
  - Customer Use Case: Add Review, Track Order
  - Seller Use Case: Shipping Details, Replying Customer Review
  - System Use Case: Quality Check, Weekly Report
  - Respective functional requirement for Use Cases
  - External Interface
  - Security
- Siddharth Butoliya (2020-IMG-061)
  - Customer Use Cases: Login, Logout, Browse Inventory
  - Seller Use Cases: Add Promotion, Edit Promotion
  - System Use Cases: Reorder, Check Stock

- ○ Respective functional requirements for use cases
- ○ User Characteristics, Non-Functional Requirements
- ○ Activity Diagram

3.3. Software Project Management Report

- Abhishek (2020-IMG-002)
  - ○ Project Schedule Breakdown
    - Activity Network Representation
    - PERT Chart
- Aman Pachori (2020-IMG-007)
  - ○ Effort and Time estimation
    - COCOMO Model
    - Estimation of Development Effort
    - Estimation of Development Time
- Siddharth Butoliya (2020-IMG-061)
  - ○ Size Estimation
    - Function Point Metric
    - Unadjusted Function Point Estimation
    - Refined UFP
    - DI, TCF, and FP

3.4. Design Document

- Abhishek (2020-IMG-002)
  - ○ Functional Decomposition Tree
  - ○ Context Diagram
  - ○ Data Flow Diagram
  - ○ Data Dictionary
  - ○ Component Design

- Aman Pachori (2020-IMG-007)
  - Introduction
  - Design Considerations
  - System Design
  - User Interface Design
- Siddharth Butoliya (2020-IMG-061)
  - Functional Decomposition Tree
  - Context Diagram
  - Data Flow Diagram
  - Data Dictionary
  - Component Design

3.5. Code

- Abhishek (2020-IMG-002)
  - Developed frontend
  - Developed backend
- Aman Pachori (2020-IMG-007)
  - Developed frontend
  - Developed backend
  - Developed Distribution tree
- Siddharth Butoliya (2020-IMG-061)
  - Developed frontend
  - Developed backend

4. Website Details

4.1. Repository Links

- Github: https://github.com/AmanPachori/SE_Final_Project
- Siddharth's Fork: https://github.com/Syd-B/SE_Final_Project
- Abhishek's Fork: https://github.com/hyperion003/SE_Final_Project

4.2. Tech Stack Details

- HTML 5
- CSS 3
- JavaScript (ES6)
- Node
- Express
- MongoDB
  - Mongoose
  - Aggregation
- Development
  - ESLint
  - Babel
  - Git
  - Github
- Deployment
  - Heroku