# TABLE OF CONTENTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | Page |
| Title Page | | | | i |
| Table of Contents | | | | ii |
| List of Tables | | | | iv |
| List of Figures | | | | vi |
| List of Appendices | | | | ix |
| I. Introduction | | | | 1-1 |
| 1.1 | | Background of the Study | | 1-1 |
| 1.2 | | Statement of Objectives | | 1-4 |
|  | | 1.2.1 | General Objectives | 1-4 |
|  | | 1.2.2 | Specific Objectives | 1-5 |
| 1.3 | | Significance of the Study | | 1-8 |
| 1.4 | | Scope and limitations of the Study | | 1-9 |
| II. Methodology of the Study | | | | 2-1 |
| III. Data Gathering Method and Output | | | | 3-1 |
| IV. The Existing System | | | | 4-1 |
| 4.1 | | Company Background | | 4-1 |
| 4.2 | | Description of the System | | 4-1 |
| 4.3 | | Data Flow Diagram | | 4-2 |
| 4.4 | | Problem Areas | | 4-4 |
| V. The Proposed System | | | | 5-1 |
| 5.1 | | System Overview | | 5-1 |
| 5.2 | | Process Specification | | 5-2 |
|  | | 5.2.1 | Data Flow Diagram | 5-2 |
|  | | 5.2.2 | Data Dictionary | 5-8 |
| 5.3 | | Data Specifications | | 5-16 |
|  | | 5.3.1 | Entity Relationship Diagram | 5-16 |
|  | | 5.3.2 | Tables/File Layout | 5-17 |
| 5.4 | | Screen Layout Specification | | 5-17 |
| 5.5 | | Report/Form Specification | | 5-44 |
| 5.6 | | Program/Modules Specification | | 5-51 |
| VI. System Coding (Prototype) | | | | 6-1 |
| 6.1 | | Programming Language | | 6-1 |
| 6.2 | | Specific Special Purpose Language Tools | | 6-1 |
| VII. System Testing Plan | | | | 7-1 |
| 7.1 | | Testing Stages | | 7-1 |
| 7.2 | | Testing Schedule | | 7-19 |
| VIII | System Implementation Plan | | | 8-1 |
| 8.1 | | Resource Requirements | | 8-1 |
|  | | 8.1.1 | Hardware Requirements | 8-1 |
|  | | 8.1.2 | Software Requirements | 8-1 |
|  | | 8.1.3 | Human Resource Requirements | 8-2 |
| 8.2 | | Implementation Plan | | 8-2 |
|  | | 8.2.1 | Site Preparation | 8-2 |
|  | | 8.2.2 | Personal Training | 8-2 |
|  | | 8.2.3 | System Conversion | 8-2 |
|  | | 8.2.4 | Data Conversion | 8-3 |
|  | | 8.2.5 | Implementation Schedule | 8-3 |
| IX. | System Maintenance Plan | | | 9-1 |
| Bibliography | | | |  |
| Appendices | | | |  |

# LIST OF TABLES

|  |  |  |
| --- | --- | --- |
| Table | Title | Page |
|  | administrators\_table | 5-8 |
|  | notifications\_table | 5-8 |
|  | users\_feedback\_table | 5-9 |
|  | users\_table | 5-9 |
|  | inventory\_logs\_table | 5-10 |
|  | orders\_details\_table | 5-10 |
|  | orders\_table | 5-11 |
|  | payments\_table | 5-13 |
|  | product\_category\_table | 5-13 |
|  | product\_images\_table | 5-13 |
|  | product\_review\_table | 5-14 |
|  | products sub\_categories\_table | 5-14 |
|  | products\_variation\_table | 5-15 |
|  | products\_table | 5-16 |
|  | User Authentication | 7-2 |
|  | Order Management Module | 7-3 |
|  | Notification Module | 7-4 |
|  | Item Management Module | 7-5 |
|  | Inventory Module | 7-6 |
|  | Generates Reports | 7-7 |
|  | Log-In Module | 7-9 |
|  | Ordering Module | 7-11 |
|  | Registration Module | 7-11 |
|  | Customer Management Module | 7-12 |
|  | Dashboard Module | 7-13 |
|  | Add to Cart Module | 7-14 |
|  | Check Out Module | 7-15 |
|  | Billing Module | 7-16 |
|  | Order Management Module | 7-17 |
|  | Notification Module | 7-18 |

# LIST OF FIGURES

|  |  |  |
| --- | --- | --- |
| Figure | Title | Page |
|  | Modified Waterfall Model Screen | 2-1 |
|  | Context Diagram of the Current System Screen | 4-2 |
|  | Diagram 0 of the Current System Screen | 4-3 |
|  | Context Diagram of the Proposed System Screen | 5-2 |
|  | Diagram 0 of the Proposed System Screen | 5-3 |
|  | Child Diagram Registration of the Proposed System Screen | 5-4 |
|  | Child Diagram Order Item of the Proposed System Screen | 5-4 |
|  | Child Diagram Manage Order of the Proposed System Screen | 5-5 |
|  | Child Diagram Item Management of the Proposed System Screen | 5-5 |
|  | Child Diagram Walk-In Order of the Proposed System Screen | 5-6 |
|  | Child Diagram Walk-In Payment of the Proposed System Screen | 5-6 |
|  | Child Diagram Manage User Account of the Proposed System Screen | 5-6 |
|  | Child Diagram Generate Reports of the Proposed System Screen | 5-7 |
|  | Authenticate User Screen | 5-17 |
|  | Add User Screen | 5-18 |
|  | Update User Profile Screen | 5-18 |
|  | Queuing Orders Screen | 5-19 |
|  | View Billing Screen | 5-19 |
|  | View Payments Screen | 5-20 |
|  | Accept Orders Screen | 5-20 |
|  | Add Shipping Fee Screen | 5-21 |
|  | Cancel Order Screen | 5-21 |
|  | Confirm Payment Received Screen | 5-22 |
|  | View Pick-Up Schedule Screen | 5-22 |
|  | Confirm Pick Up Date Screen | 5-23 |
|  | Blocked User Screen | 5-23 |
|  | New Order Received Screen | 5-24 |
|  | Order with no Payments after 2 Days Screen | 5-24 |
|  | Add Items Screen | 5-25 |
|  | Update Item information Screen | 5-25 |
|  | View Available Stocks Screen | 5-26 |
|  | View Number of Stocks Left Screen | 5-26 |
|  | Re-Order Point Screen | 5-27 |
|  | Stock-in Screen | 5-27 |
|  | Stock-Out Screen | 5-28 |
|  | Back-Up Screen | 5-28 |
|  | Re-Store Screen | 5-29 |
|  | Staff Log-In Screen | 5-29 |
|  | Select Items Screen | 5-30 |
|  | Payment Screen | 5-30 |
|  | Receipt Screen | 5-31 |
|  | Register Account Screen | 5-31 |
|  | Update Customer Profile, Shipping Address Screen | 5-32 |
|  | Post Feedbacks and Reviews Screen | 5-32 |
|  | Customer Order (Pending or Finished) Screen | 5-33 |
|  | View All Items Screen | 5-33 |
|  | Select Items Screen | 5-34 |
|  | Add Quantity Screen | 5-34 |
|  | Select The Size And Color OF The Item Screen | 5-35 |
|  | View Selected Items Screen | 5-35 |
|  | Add Order Screen | 5-36 |
|  | Add Quantity Screen | 5-36 |
|  | Update Order Screen | 5-37 |
|  | Mode of Payment Screen | 5-37 |
|  | Delivery Method Screen | 5-38 |
|  | Update Shipping Address Screen | 5-38 |
|  | Setting Pick-Up Schedule Screen | 5-39 |
|  | Place Order Screen | 5-39 |
|  | View the Sub Total Screen | 5-40 |
|  | Calculate Total Bill Screen | 5-40 |
|  | Send Payment Receipt Screen | 5-41 |
|  | Print Acknowledgement Receipt Screen | 5-41 |
|  | Cancel Order Screen | 5-42 |
|  | Order Confirmed Screen | 5-42 |
|  | Deadline of Payment Screen | 5-43 |
|  | Payment Received Screen | 5-43 |
|  | Schedule of Order Screen | 5-44 |
|  | List of Registered Customers Screen | 5-44 |
|  | List of Daily Collection Screen | 5-45 |
|  | List of Weekly Collection Screen | 5-45 |
|  | List of Monthly Collection Screen | 5-46 |
|  | List of Order (Daily) Screen | 5-46 |
|  | List of Cancelled Order Screen | 5-47 |
|  | List of Overdue/Past Due Order Screen | 5-47 |
|  | List of Customer Pending Payments Screen | 5-48 |
|  | List of Number of Stocks Screen | 5-48 |
|  | List of Re-Order Point Screen | 5-49 |
|  | List of Stock-In Screen | 5-49 |
|  | List of Stock-Out Screen | 5-50 |
|  | List of Customer Review and Feedbacks Screen | 5-50 |

# LIST OF APPENDICES

|  |  |  |
| --- | --- | --- |
| Appendix |  | Page |
|  | 1. Raw Data | A-1 |
|  | Letter for Interview | A2 |
|  | Questionnaire Page - 1 | A2 |
|  | Questionnaire Page - 2 | A3 |
|  | Questionnaire Page - 3 | A4 |
|  | CJ-Ashley Fashion Hub Logo | A-5 |
|  | Pictures During Interview | A-6 |
|  | 1. Curriculum Vitae | B-1 |
|  | Curriculum Vitae of Edgar T. Bedana | B-1 |
|  | Curriculum Vitae of Earl John P. Mercado | B-2 |
|  | Curriculum Vitae of Errol Jerrald A. Torio | B-3 |