**Login Screen :**

|  |  |  |  |
| --- | --- | --- | --- |
| **CARTIGO Management System**      **Username:**   |  | | --- | |  |   **Password:**   |  | | --- | |  |  |  | | --- | | **LOGIN** |     **Time/Date:4:00pm(28/9/2019)** |

**Homepage Dashboard:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARTIGO Management System**    **Button:**   |  |  |  |  | | --- | --- | --- | --- | | **Add Product** | **Delete Product** | **Update Product** | **DataBase** |     **ENTER CART ID:**   |  | | --- | |  |   **When Cart ID will be entered Here the bill will be shown here↓**   |  | | --- | | **SCREEN** |      |  | | --- | | **Generate Bill** |      |  | | --- | | **Logout** | |

**Database Entities;**

1. **Product Name**
2. **Product price**
3. **Quantity**
4. **RFID tags**
5. **Cart\_ID**
6. **Bill\_ID(Unique id)**
7. **Total amount:**
8. **Total amount( in words):**
9. **Time**
10. **Date**

**Bill Format:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Company LOGO**  **Address,phone,zipcode**  **NTN No#**  **Bill ID:unique ID(for customer identification)**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **S.no** | **Product name** | **Quantity \*** | **Product Price** | **RFID Tag**  **No.** | **Amount** | | **1.** | **Dalda`** | **5kg** | **650/Rs** | **e.g;FFFFFFFFF** | **650/Rs** | | **2.** | **Rice Basmati** | **10kg** | **1000/Rs** | **e.g;FFFFFFFFF** | **1000/Rs** | | **.** |  |  |  |  |  | | **4.** |  |  |  |  |  |  |  | | --- | | **Total Amount: Rs:1650/ (Sixteen Hundred and Fifty Rupees Only)** |  |  | | --- | | **Cart ID & Bill ID:e.g:xxxxxxxxxxx & 1x2e3**  **Sales Tax/Discount:0%**  **Total Amount:Rs:1650/ (Sixteen Hundred and Fifty Rupees Only)**  **Time :4:00pm**  **Date:27/9/2019** |   **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Thank you for Shopping\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*** |

**Add Product Screen:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CARTIGO Management System**    **ADD PRODUCT INFORMATION:**    **Product Name :**   |  | | --- | |  |   **Product Price:**   |  | | --- | |  |   **Product Description:**   |  | | --- | |  |   **Product RFID Tags:**   |  | | --- | |  |  |  |  |  | | --- | --- | --- | | **Homepage** |  | **Save PRODUCT** |   **The product will be added to database with RFID tag.** |

**Delete Product Screen:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CARTIGO Management System**    **DELETE PRODUCT INFORMATION:**    **Product Name :**   |  | | --- | |  |   **Product Price:**   |  | | --- | |  |   **Product Description:**   |  | | --- | |  |   **Product RFID Tags:**   |  | | --- | |  |  |  |  |  | | --- | --- | --- | | **Homepage** |  | **Delete PRODUCT** |   **The product will be Deleted from the database with RFID tag.** |

**Update Product Screen:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CARTIGO Management System**    **UPDATE PRODUCT INFORMATION:**    **Product Name :**   |  | | --- | |  |   **Product Price:**   |  | | --- | |  |   **Product Description:**   |  | | --- | |  |   **Product RFID Tags:**   |  | | --- | |  |  |  |  |  | | --- | --- | --- | | **Homepage** |  | **Update PRODUCT** |   **The product Info will be Updated to database with RFID tag.** |

**DATABASE:LOGIN database:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CARTIGO DATABASE Management System**      **Username:**   |  | | --- | |  |   **Password:**   |  | | --- | |  |  |  | | --- | | **LOGIN TO DATABASE** |  |  | | --- | | **Homepage** |     **Time/Date** |

**Only admin will have access to the database and which will be authenticated**

**Encrypted Username and password**

**Update DATABASE:**

|  |  |  |
| --- | --- | --- |
| **CARTIGO Management System**      **Different Databases with Tables with Primary Keys and Foreign Keys**   |  | | --- | |  |  |  | | --- | | **LOGOUT** |     **Time/Date** |

**Table:**

1. **Product name and Product prices with RFID tags integrated**
2. **Cart ID, Bill ID(Unique ID) and Total Amount,Time ,Date**
3. **Order Table :Bill ID and Cart ID Total Amount, Order time and Date**
4. **Inventory Management System(Sales report)**

**Trolly unit:**

**1)Arduino board**

**2)ESP8266 WIFI module**

**3)RFID reader**

**4)LCD screen**

**\*serial number**

**\*Product name**

**\*Product price**

**\*Total Amount**

**4)Remove button**

**5)Reset button**

**6)send data button**