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| **Group No:** | **REG/WE/34** | |
| **Brief description of the project** | This project is based on an ice cream factory management system. Through this system, the factory will be able to automate processes like managing employee details, attendance, supplier details, inventory, ice cream sales managing and supplier payments.  The system frontend is developed using React.js and backend develop using Node.js. With this web-based system, the user can easily access the system through the internet. This is a huge advantage for the user, as it keeps the user updated on the processes that are going on in the factory and in the outlet. Therefore, the productivity and efficiency of the factory is gradually increased through this system. | |
| **INDIVIDUAL DETAILS OF GROUP MEMBERS** | | | |
| **Registration No** | **IT20146238** | |
| **Student Name** | **Jayathunga T.M.** | |
| **Function(s)**  **Note**: Include the functions required to complete for **sprint 1** & **sprint 2** | **Sprint 1**   * Admin Registration * Admin Login * Create an Inventory Dashboard * Inventory User Profile * Update Inventory User Profile * Add Inventory Products   **Sprint 2**   * View Inventory Product List * Update and Delete Inventory Product List * Make an Order List * Update Order List * Create an Inventory Search Bar * Generate Inventory Report | |
| **Sprint 1** | **Picture of interface 1** | **Brief description of interface 1** |
|  | **Purpose:** This interface is used to add new users to the inventory system.  **Flow**: New inventory admin, first he registers to the inventory system. Then he required to fill in the username, password, confirmation password and his email.  After adding these values admin needs to check the "I agree" checkbox. After entering all values and tick the check box,  admin can press the register button to register to the system. (There will be validation for every input field.)  **Good practices**:   * This interface was designed to one task, which is adding new admin to the system. * The interface is very simply designed. This interface does not contain irrelevant information. * Express an error message clearly notifies the error with hints to fix the problems. It can be easy to understand the error. |
| **Picture of interface 2** | **Brief description of interface 2** |
| Inserting image... | **Purpose:** This interface is used to login to the inventory system site for the web application.  **Flow**: In here, the admin is required to enter the admin username and his password. After entering the correct username and password, admin needs to click on the "Login" button to enter the system. After pressing the login button admin redirects to the inventory dashboard page.  **Good practices**:   * The interface was designed by focusing on one task, which is the admin login. * The interface was given a meaningful title. * The interface is very simply designed. This interface does not contain irrelevant information. |
| **Picture of interface 3** | **Brief description of interface 3** |
|  | **Purpose:** This interface is used to handle and manage the inventory dashboard easily.    **Flow**: Inventory manager can access all inventory system in here. He can access all add inventory products, Update, and delete inventory products.  **Good practices**:   * This interface has a meaningful title for the interface. * Ensure that the users do not have to think or work too hard to use an interface. |
| **Picture of interface 4** | **Brief description of interface 4** |
|  | **Purpose:** This interface uses to add inventory users profile details.    **Flow**: After the successful login, the admin will redirect to this profile page and he or she can manage his user profile. Fill in the phone number and address. First name and last name admin can save his user profile details successfully.  **Good practices**:   * The label was given meaningful names and the first letter of each word is capitalized. In addition, it was made sure that there are no spelling mistakes. * The interface was given a meaningful title. |
| **Picture of interface 5** | **Brief description of interface 5** |
|  | **Purpose:** This profile interface is used to view all the admin details that register to the system.  **Flow**: when the inventory manager (Admin) clicks on the Edited profile button, he or she will redirect into this update user information page.  Then he wants to update his phone number, email, or address, he can edit these values. other values like username, first name, last name he or she can't edit it.  **Good practices**:   * The components (buttons, labels, etc.) are used in the interface. * The label was given meaningful names, and the first letter of each word was capitalized. In addition, it was made sure that there are no spelling mistakes. |
| **Picture of interface 6** | **Brief description of interface 6** |
|  | **Purpose:** Inventory manager (Admin) can add inventory products to the system using this interface.  **Flow**: When the Inventory manager (Admin) redirects the product page, he can add inventory product details in here. Then he can add inventory worker name, what are the ingredient types, flavor type using select option, freezer temperature, in date, out date and freezer id. After checking the values and he can add this value to the database system press add inventory button.  **Good practices**:   * This interface design for one task, which is adding a new supplier. * Interface design is simple form type. * Without asking the user to type-in values, allow them to select values whenever possible. |
| **Sprint 2** | **Picture of the interface\_7** | **Brief description of interface\_7** |
|  | **Purpose:** Inventory manager can view all add inventory product details, update, delete values and generate report using this interface.  **Flow**: After Inventory manager (Admin) adding inventory products into the system, then he or she can view all input database values in this interface. If he wants to update, delete, or get a daily report, he can change all things in this interface. Press an "update" button he will redirect to update page and if he presses the "delete" button all records will be removed. If he wants to get a report, then press the "report" button.  **Good practices**:   * Simple design to the user interface for navigates easy between pages. * Interface is very simply designed for users. * Easily find the details using search bar option. |
| **Picture of the interface\_8** | **Brief description of interface\_8** |
|  | **Purpose:** Inventory manager can update all inventory product details using this interface.  **Flow**: After clicking the update icon on the View inventory product details page, it will redirect to this inventory product update page. Admin can change the adding previous values and press the "Update" button it will change all database system values.  **Good practices**:   * The components (buttons, labels, etc.) used in the interface are large enough to interact, ensuring that all capabilities are accessible to users, including those with low vision. * This interface design by focusing on one task. |
| **Picture of the interface\_9** | **Brief description of interface\_9** |
|  | **Purpose:** Inventory manager can make an order request using this interface.  **Flow**: Inventory staff members can make an order request using this interface. Then he can select what are the categories and flavor types. After selecting these things, press the "Make Request" button to order request.  **Good practices**:   * Without asking the user to type-in values, allow them to select values whenever possible. * This interface design by focusing on one task. |
| **Picture of the interface\_10** | **Brief description of interface\_10** |
|  | **Purpose:** Inventory manager can update and delete make an order request.  **Flow**: After clicking the "Make Request" button he will redirect to this interface. Then he can update or delete that order request. If he wants to find the order requests, then he can use the search bar to find the order id.  **Good practices**:   * Easily find the details using search bar option. * Interface is very simply designed for users. |
| **Registration No** | **IT20211950** | |
| **Student Name** | **Amarasekara M.G.V.C** | |
| **Function(s)**  **Note**: Include the functions required to complete for **sprint 1** & **sprint 2** | **Sprint 1**   * Add New Supplier * View Suppliers list * Update supplier details * Delete Supplier accounts   **Sprint 2**   * Add New Stock * Manage Stock Details * Add New Payment * Manage Payment Details * Generate Payment Slip | |
| **Sprint 1** | **Picture of interface 1** | **Brief description of interface 1** |
|  | **Purpose:** Supplier Manager (Admin) can add new suppliers to the system using this interface.  **Flow**: Supplier Manager obtains information from suppliers and fills out this form using that information one by one in each field to register as a new supplier by clicking the register button.  **Good practices**:   * This interface design for one task, which is adding a new supplier. * Interface design is simple form type. * Clearly notify the error with hints to fix the problem. |
| **Picture of interface 2** | **Brief description of interface 2** |
|  | **Purpose:** Supplier Manager (Admin) can see all the suppliers who supply milk to the company using this interface.  **Flow**: Supplier Manager can see some details about suppliers as a simple chart. Using the update and delete button admin can manage the suppliers' details easily. If the supplier manager clicks the update button, it redirects to the relevant profile of the supplier. And delete button helps to remove unnecessary profiles of suppliers.  **Good practices**:   * The buttons used in the interface are large enough to interact. * Easily find the details using search bar option. * Clearly notify the task complete messages. |
| **Picture of interface 3** | **Brief description of interface 3** |
|  | **Purpose:** Supplier Manager (Admin) can update suppliers’ details using this interface.  **Flow**: Supplier Manager can get or update any information from each supplier. Change the fields corresponding to the changed data of suppliers and press the Update button to enter the new data. This allows the Supplier Manager to update supplier data.  **Good practices**:   * This interface design by focusing on one task. * The interface is very simple design. * Clearly notify the task complete messages. |
| **Sprint 2** | **Picture of the interface\_4** | **Brief description of interface\_4** |
|  | **Purpose:** Supplier Manager (Admin) can add new stock to the system using this interface.  **Flow**: The supplier manager uses the data on the quantities of milk supplied by each supplier daily to add new stocks. Data related to milk stocks can be obtained and filled in with the data and added as a new stock by clicking the submit button.  **Good practices**:   * This interface design by focusing on one task. * Interface design is simple form type. * Clearly notify the error with hints to fix the problem. |
| **Picture of the interface\_5** | **Brief description of interface\_5** |
|  | **Purpose:** Supplier Manager (Admin) can view all stock details and manage these details using this interface.  **Flow**: Supplier Manager can see some details about daily milk stocks. Using the delete button can delete unnecessary stock details one by one.  **Good practices**:   * The buttons used in the interface are large enough to interact. * Clearly notify the task complete messages. |
| **Picture of the interface\_6** | **Brief description of interface\_6** |
|  | **Purpose:** Supplier Manager (Admin) can add new payment to the system using this interface.  **Flow**: Supply Manager enters data on payments made to suppliers as new payments. Payments made to suppliers can be entered as a new payment by filling in the form and clicking the submit button.  **Good practices**:   * This interface design by focusing on one task. * Interfaces design is simple form type. * Clearly notify the error with hints to fix the problem. |
| **Picture of the interface\_7** | **Brief description of interface\_7** |
|  | **Purpose:** Supplier Manager (Admin) can view all payment details, manage these details, and get the payment slip.  **Flow**: Supplier Manager can see some details about Payments made to suppliers. Using the delete button can delete unnecessary payment details one by one.    **Good practices**:   * System allows generate Report Based on payment details. |
| **Registration No** | **IT20173104** | |
| **Student Name** | **Shavinda Y.A.D.P** | |
| **Function(s)**  **Note**: Include the functions required to complete for **sprint 1** & **sprint 2** | **Sprint 1**   * Add new sales details * View sales history * Update sales history * Delete sales history   **Sprint 2**   * Search sales details * View sales report * Generate Report Based on Time period | |
| **Sprint 1** | **Picture of interface 1** | **Brief description of interface 1** |
|  | **Purpose:** This interface will be used to select the relevant function.  **Flow**: Admin can navigate through the sales management pages using these three buttons. Those buttons are connected to relevant sales management pages  **Good practices**: Simple design to the user interface for navigate easy between pages. |
| **Picture of interface 2** | **Brief description of interface 2** |
|  | **Purpose:** This interface is used to add new sales details to the system.  **Flow**: Admin requires you to fill all those fields in the form. For the product category and payment types, fields values are given by the system using the dropdown button.  **Good practices**:   * System given relevant types to select for product category and payment types. * Only numbers are allowed to enter buyer's contact, quantity, and rate per quantity fields. * Use date picker for select date. |
| **Picture of interface 3** | **Brief description of interface 3** |
|  | **Purpose:** Admin can view sales history.  **Flow**: Admin can see some details about sales history. Using the view button can see all the details about select record.  **Good practices**:   * Give a simple user button to edit or delete selected records in same place. * Used low colors to make it simple. |
| **Picture of interface 4** | **Brief description of interface 4** |
|  | **Purpose:** Admin can update and delete sales history.  **Flow**: Admin requires for select record and using edit button can update any field in the form or using delete button can erase the record form the system.  **Good practices**:   * Use low colors to make it simple. * Labels were given meaningful names, and the first letter of each word was capitalized. |
| **Sprint 2** | **Picture of the interface\_5** | **Brief description of interface\_5** |
|  | **Purpose:** Admin can Search sales details.  **Flow**: Using search bars admin can Search relevant sales details. The system allows you to search details by using invoice numbers and product category  **Good practices**:   * The buttons used in the interface are large enough to interact. * Labels were given meaningful names, and the first letter of each word was capitalized. |
| **Picture of the interface\_6** | **Brief description of interface\_6** |
|  | **Purpose:** Using this interface admin can generate reports including sales history details.  **Flow**: Admin can view sale history and using generate report button can get a report as a pdf file. Also, time periods are given by the system, admin can select relevant time period to get time-based report.  **Good practices**: System allows generate Report Based on Time period for get accurate details. |
| **Picture of the interface\_7** | **Brief description of interface\_7** |
|  | **Purpose:**  **Flow**:  **Good practices**: |
| **Picture of the interface\_8** | **Brief description of interface\_8** |
|  | **Purpose:**  **Flow**:    **Good practices**: |
| **Registration No** | **IT20272654** | |
| **Student Name** | **Rajapaksha R.P.S.V** | |
| **Function(s)**  **Note**: Include the functions required to complete for **sprint 1** & **sprint 2** | **Sprint 1**   * Add Employee Details * Update Employee Details * Retrieve Employee Details and Display as Profile   **Sprint 2**   * Managing Employee Attendance * View Presence list * View Absence list * Create Search bar * Generate Report | |
| **Sprint 1** | **Picture of interface 1** | **Brief description of interface 1** |
|  | **Purpose:** Employee Manager (Admin) can see all the employees who work in the company.  **Flow**: Using search bars admin can Search employee details. The system allows us to search details by using Employees’ names.  Employee Manager can see some details about Employee by using view button and can update and delete retired employees from the system.  **Good practices**: Interface is very simply designed for users.  Error messages can easily understand the error. |
| **Picture of interface 2** | **Brief description of interface 2** |
|  | **Purpose:** Employee Manager (Admin) can add new employees to the system.  **Flow**: With filling all the details and using add button can add new employee to the system.  **Good practices**: The labels are given meaningful names and the first letter of each word is capitalized and there are no spelling mistakes. |
| **Picture of interface 3** | **Brief description of interface 3** |
|  | **Purpose:** Employee Manager (Admin) can update employees’ details.  **Flow**: Employee Manager can fill all the details that are going to update and using update button can update employee details to the system.  **Good practices**: The labels are given meaningful names and the first letter of each word is capitalized and there are no spelling mistakes. |
| **Picture of interface 4** | **Brief description of interface 4** |
|  | **Purpose:** Employee Manager (Admin) can view the employees’ details individually.  **Flow**: By selecting the view button in the employee details page can access this page.  **Good practices**: Employee names are specially highlighted. The labels are given meaningful names and the first letter of each word is capitalized and there are no spelling mistakes. |
| **Sprint 2** | **Picture of the interface\_5** | **Brief description of interface\_5** |
|  | **Purpose:** Employee Manager (Admin) can view employee list to mark the attendance.  **Flow**: Admin can view employee absence list and presence list form the system.  **Good practices**: Simple design to the user interface for navigate easy between pages. |
| **Picture of the interface\_6** | **Brief description of interface\_6** |
|  | **Purpose:** Employee Manager (Admin) can mark the attendance.  **Flow**: Entering relevant details and click the submit button can mark the attendance.  **Good practices**: Interface is very simply designed for users. |
| **Picture of the interface\_7** | **Brief description of interface\_7** |
|  | **Purpose:** Employee Manager (Admin) can view employees who are on a presence list daily.  **Flow**: Admin can access this page by clicking the presence list button in Employee attendance page.  **Good practices**: Simple design to the user interface for navigate easy between pages. |
| **Picture of the interface\_8** | **Brief description of interface\_8** |
|  | **Purpose:** Employee Manager (Admin) can view employees who absence list daily.  **Flow**: Admin can access this page by clicking absence list button in Employee attendance page.    **Good practices**: Simple design to the user interface for navigate easy between pages. |