IndhanX(Petrol Management System)

Registration

This form is designed for the creation and registration of pumps. Please provide the necessary details for registering a pump.

Login

This form is used to access the Pump Management System, where users can monitor, control, and manage various aspects of their pumps.

1.1 Adding Fuel Price

- Provide a text input field for users to enter the name and price of the new fuel.
- Add a button "Add" to submit the new fuel name and price.

1.2 Editing Fuel Price

- Display a list of existing fuels along with their current prices.
- When the user clicks on the "Edit" button, allow them to modify the price of the respective fuel.
- Provide a "Save" button to confirm the updated price

1.3 Delete Fuel

- Alongside each fuel entry, add a "Delete" button.
- When the user clicks on the "Delete" button, identify the specific fuel associated with that button and remove the selected fuel from the list.

2. Creating Employee

- **Adding Employee**
  - Click on "Employees" from the sidebar navigation menu.
  - Within the Employees section, select "Add Employee" from the available options.
  - Utilize the input field to enter required employee details such as name, contact information, role, etc.

- After entering the necessary information, submit the form to create the employee.

- **View Employee**
  - Navigate to the "View Employees" section from the sidebar menu.
  - In this section, you can see a list of employees.
  - Click on the "eye" icon corresponding to the employee whose details you want to view.
  - This action will display comprehensive information about the selected employee, including their name, contact details, role, etc.
- **Edit Employee**
  - Within the "View Employees" section, locate the employee whose details you wish to edit.
  - Click on the "edit" or "more" icon/button associated with the respective employee entry.
  - This action should open a form or modal where you can make changes to the employee's information.
  - After making the necessary edits, save the changes to update the employee's details.
- **Delete employee**
  - Similarly, within the "View Employees" section, find the employee you want to delete.
  - Click on the "more" or "delete" icon/button associated with the respective employee entry.
  - Confirm the deletion when prompted.
  - This action will remove the employee from the system.

3. Tank Creation

- Click on "Manage Tank" from the sidebar navigation menu.
- Select "View Tanks" from the options presented after accessing Tank Management.
- Upon entering the "View Tanks" page, locate the "Add Tank" button.
- Click on the "Add Tank" button to initiate the process of creating a new tank.

- Fill out the required details for creating the tank using the provided input form.
- Once all necessary information has been entered into the input form, proceed to submit the tank details.
- Upon successful submission, a confirmation message should appear indicating that the tank has been created.

3.1 Adding Nozzle

- After creating a tank, locate the "Nozzle icon" button positioned at the top of the tank details section.
- Click on the "Nozzle icon" button to initiate the process of adding a nozzle to the tank.
- Upon clicking the "Nozzle icon" button, an input form will appear where users can enter details about the new nozzle.

3.2 Calculating Evaporation

- Adjacent to the "Nozzle icon" button, locate the "Evaporation Loss icon" button.
- Click on the "Evaporation Loss icon" button to begin the process of calculating the evaporation loss for the tank.
- Upon clicking the "Evaporation Loss icon" button, an input form will appear requesting parameters necessary for the calculation, inside that form there is a input field called “Missing” which calculated evaporation loss automatically.
- After clicking "Save Changes" button the calculation must be submitted successfully.

3.3 Adding DipStock

- Navigate to the Dipstock management section from the sidebar menu.
- Within the Dipstock management section, locate the option to add dipstock.
- Utilize the provided input fields to enter the required data for updating the fuel tank.

  - Input fields may include details such as fuel type, current volume, date, etc.
  - After filling out the necessary information, submit the form to add the dipstock and update the fuel tank accordingly.

3.4 View DipStock

  - Each dipstock entry may have an associated "eye" icon.
  - Click on the "eye" icon to view or print the bill of the dipstock entry.
  - This will display detailed information about the dipstock, including tank number, date, fuel levels, etc.

3.5 Edit and Delete DipStock

  - In the "View Dipstock" section, locate the dipstock entry you wish to edit or delete.
  - Each dipstock entry may have additional options represented by a "more" button/icon.
  - Click on the "more" button/icon associated with the respective dipstock entry.
  - This action should open a menu with options to edit or delete the dipstock entry.
  - Choose the appropriate action (edit or delete) and confirm if prompted.

4. Fuel Test

- **Adding Fuel Test**
  - Add a "Test Fuel" option on the top navbar for easy access.
  - Users can click on this option to initiate the fuel testing process.
  - Upon selecting the "Test Fuel" option, users are presented with an input form.
  - This form should include fields for entering necessary data such as fuel type, sample quantity, testing parameters, etc.
  - Users should input all required information accurately.
  - After entering the relevant data, users can submit the test request.
- **View Fuel Test**

- Within the "Manage Tank" section on the sidebar, include an option named "Test History."
- Users can click on the "Test History" option to navigate to the corresponding page or section.
- On the "Test History" page, display a list or table of the conducted fuel tests along with their results.

4.1 View Evaporation Loss

- Within the "Manage Tank" section on the sidebar, include an option named "Evaporation Loss".
- On the "Evaporation Loss" page, present a table that lists the evaporation loss details for each tank.
- Include relevant columns such as tank number, fuel type, evaporation rate, date/time of measurement, etc.

5. Fuel Sales

- **Adding Sales**
  - Within the "Fuel Sales" section on the sidebar, include an option named "Add Sales" to initiate the sales entry process.
  - Upon selecting "Add Sales," users are presented with an input form to enter details of the sales transaction.
  - This form should include fields for relevant information such as customer name, fuel type, quantity sold, price, etc.
  - Users input all required data accurately.
  - After inputting sales details, users can proceed to the "Add Amount" section.
  - Here, users can choose the payment method (e.g., UPI, cash, credit card) and enter the payment amount.
  - Once payment details are entered, users can save the payment process by clicking on the "Save" button in payment section.
  - After saving the payment process, users can proceed to submit the sales transaction by clicking on the "Save" button in sales section.
- **View Sales**

    - Within the "Fuel Sales" section on the sidebar, include an option named "View Sales" to access the sales records.
    - Users can click on the "View Sales" option to navigate to the corresponding page or section.
    - On the "View Sales" page, present a list or table that shows all the sales transactions recorded in the system.
    - Alongside each sales entry, include an "eye" icon or button.
    - When users click on the "eye" icon/button, it opens a view of the sales bill associated with the selected transaction.
    - The sales bill should display detailed information about the sales transaction, including itemized sales, total amount, payment method, etc.
- **Quick Sale Report**
    - The Sales Quick Report feature allows users to generate detailed sales reports for a specified date, providing insights into daily sales performance.

5.1 Report

- Within the "Fuel Sales" section on the sidebar, include an option named "Report" to initiate the report generation process.
- Upon selecting "Report," users are presented with options to specify the criteria for the report.
- Include dropdown menus or input fields for users to select an employee, month, year, and date range for the report.
- After specifying the report criteria, users can proceed to generate the report by clicking on a "Submit" button.
- The system processes the selected criteria and generates the report accordingly.
- Add a "Reset" button adjacent to the input fields or dropdown menus used for selecting report criteria (employee, month, year, date range).
- When users click on the "Reset" button, the system clears all selected criteria for the report.
- This action resets all input fields or dropdown menus to their default state or clears any values that were previously entered.

6. Customers

- **Adding Customers**
  - Within the "Customers" section on the sidebar, include an option named "Add Customers" to initiate the customer creation process.
  - Upon selecting "Add Customers," users are presented with an input form to enter details of the new customer.
  - This form should include fields for relevant information such as customer name, contact information, address, etc.
  - Users input all required data accurately.
  - After entering the customer details, users can submit the information by clicking on a "Submit" or "Add Customer" button.
  - The system processes the submitted information and creates a new customer record.
- **View Customer**
  - Within the "Customers" section on the sidebar, include an option named "View Customers" to access the list of created customers.
  - On the "View Customers" page, present a table that shows all the customers created by the user.
  - Include relevant columns such as customer name, contact information, address, etc.
- **Credit Sales and Payment**
  - In "View Customers" table there will be a column called "Sales".
  - In "Sales" Include a button labeled "Credit Sales" within the "Sales" column of each customer entry.
  - When clicked, this button initiates the process of recording a credit sale for the respective customer.
  - Upon clicking the "Credit Sales" button, display an input field where users can enter details of the credit sale.
  - After entering the credit sale details, users can submit the information by clicking on a "Submit" or "Save" button.
  - The system processes the submitted information and records the credit sale for the respective customer.

    - Include another button labeled "Payment" within the "Sales" column of each customer entry.
    - Upon clicking the "Payment" button, display an input field where users can update the payment information.
    - After entering the payment update details, users can submit the information by clicking on a "Submit" or "Save" button.
- **Edit and Delete Customer**
    - Include a "More" button/icon within each customer entry in the "View Customers" table.
    - When users click on the "More" button for a specific customer entry, provide an option labeled "Edit" within the dropdown menu.
    - Clicking on "Edit" allows users to modify the details of the selected customer.
    - Similarly, within the dropdown menu, include an option labeled "Delete" for each customer entry.
    - Clicking on "Delete" prompts users to confirm the deletion of the selected customer.
    - Provide a confirmation dialog to ensure users intend to delete the customer.
- **Payment History**
    - Within the "Customer" section on the sidebar, include an option named "Payment History" to access the payment history for customers.
    - On the "Payment History" page, present a list or table that shows all payment history records for customers.

7. Store

7.1 Add Product

- **Add Category**
    - Within the "Store" section on the sidebar, include an option named "Add Product" to initiate the product addition process.
    - After selecting "Add Product," users are presented with the option to create a new category.
    - Users input the category name and other relevant details.

- **View Category**
  - On the same page, display a list of all created categories.
  - Each category entry includes a "View Products" button to view the products within that category.
- **View Product**
  - When users click on the "View Products" button for a specific category, a form is displayed to add new products within that category.
  - Users input details such as product name, description, price, etc., and submit the form to add the product to the category.
  - Within each product card, include a toggle button labeled "On Sale" or "Off Sale."
  - Users can click on the toggle button to change the availability status of the product for sale.
- **Delete Product**
  - Also within each product card, include a button labeled "Delete Product."
  - When clicked, the product is immediately removed from the category without any additional confirmation.

7.2 Products

- Within the "Store" section on the sidebar, include an option named "Products" to access the store's product listings.
- On the "Products" page, display a list of available products for purchase.
- Each product card includes details such as product name, description, price, etc.
- Include an "Add to Cart" button within each product card.
- When users click on the "Add to Cart" button for a specific product, the product is added to their shopping cart.
- Next to the "Add to Cart" button, include buttons for incrementing and decrementing the quantity of the product.
- These buttons allow users to adjust the quantity of the product they wish to purchase before adding it to the cart.
- At the top of the page or in a prominent location, display a card showing the products currently added to the user's cart.

- This card should list the products along with their quantities, providing a summary of the items in the cart.
- Ensure that the view cart card dynamically updates as users interact with the "Add to Cart" and quantity buttons.
- When users add products to their cart or adjust the quantity, the view cart card should reflect these changes in real-time.

7.3 View Sales

- Include an option labeled "View Sales" on the page where users browse product listings and manage their cart.
- This option allows users to access the sales table to view the bills of purchased products.
- Include an "eye" icon/button within each row of the sales table.
- When users click on the "eye" icon/button for a specific bill, display the detailed bill information in a modal or separate page.
- Within the bill details view, provide a button labeled "Print" to allow users to print the bill.

8. Inventory

- **Add Inventory**
    - Within the "Inventory" section on the sidebar, include an option named "Add Inventory" to initiate the inventory addition process.
    - Upon selecting "Add Inventory," users are presented with an input form to enter details of the new inventory item.
    - This form should include fields for relevant information
    - After entering the inventory details, users can submit the information by clicking on a "Submit" button.
- **View Inventory**
    - Within the "Inventory" section on the sidebar, include an option named "Manage Stock" to access the inventory details.
    - On the "Manage Stock" page, display a table showing all inventory details.
    - Each row in the table represents an inventory item.
    - Include a "Manage Stock" button within each row of the inventory table.

  - When users click on the "Manage Stock" button for a specific inventory item, display a form/modal to update the inventory details.
  - Within the form/modal, provide options for users to select the mode of inventory update (e.g., add to store, add new stock, mark as damaged).
  - Include fields for entering relevant details such as quantity, reason for update, etc.
  - After entering the inventory update details, users can submit the information by clicking on a "Submit" button.
  - Include an "eye" icon/button within each row of the inventory table.
  - When users click on the "eye" icon/button for a specific inventory item, display a modal or separate page showing detailed information about that inventory item.
  - This detailed view should include all relevant information such as item name, description, quantity, price, mode of inventory update etc.
  - When users click on the "Delete" button/icon for a specific inventory item, to delete the selected inventory item.

9. Settings

- Within the sidebar, include an option labeled "Settings" to access user settings.
- Within the "Settings" page, provide an option labeled "Add Collaborator" to allow users to add collaborators to their account.
- Users input the email address and password of the collaborator they wish to add.
- Include an option labeled "Change Password" within the "Settings" page to allow users to change their password.
- Users input their current password along with the new password they wish to set.
- After submission, the system updates the user's password accordingly.

10. Mail Triggering

- The Trigger Email Notification system is designed to alert petrol pump owners when fuel prices are updated or newly created, ensuring they are

informed promptly for security and operational adjustments.
- An email notification is automatically sent to the designated petrol pump owner when a new fuel price is created or an existing fuel price is updated in the system.

Features And Specification

- **Customization:** Our system is designed to be highly flexible, allowing different petrol pumps to choose the specific features they need. Each pump can have a customized set of functionalities tailored to their unique requirements.
- **Feature Independence:** The features chosen by one pump do not impact the operations of others. This independence ensures that each pump can operate optimally without interference or concerns about overlapping functionalities.
- **Data Protection:** The system ensures that all details related to a pump are securely stored and protected from unauthorized access.
- **Access Control:** Pump owners have full control over their data, with no other pump or third party being able to access this information without explicit permission. This guarantees privacy and builds trust in the system's integrity.
- **User Access Control:** Pump owners have the authority to decide who can access the system and use its features. They can grant or revoke access to specific users, such as employees or managers, ensuring that only authorized personnel can interact with the system.
- **Activity Monitoring:** Owners have the ability to monitor activities within the system, giving them visibility into how the system is being used and by whom. This feature includes tracking actions like data changes, report generation, and user logins.
- **Activity Logs:** For security and accountability, the system maintains detailed logs of all user activities. This helps in auditing and reviewing actions taken within the system, providing a clear record of any changes or access attempts.