Requirement Gathering

Project Overview?

The "Fuel Delivery Management System" project is a Web-based system designed to revolutionize the way users order and receive fuel. It addresses the increasing fuel demands driven by the growing number of automobiles and the challenges of finding nearby fuel stations. This application simplifies the process by allowing users to request fuel delivery to their exact location at any time. The project includes four main modules for users, delivery team, fuel stations, and administrators, offering features like order placement, real-time tracking, inventory management, and automated scheduling for efficient fuel deliveries. By leveraging technologies such as GPS tracking and responsive design, it aims to enhance operational efficiency, improve customer satisfaction, and modernize the fuel delivery process.

To what extend the system is proposed for?

The proposed Fuel Delivery Management System is designed to address several key aspects of the fuel delivery process. It aims to provide a comprehensive solution that enhances the efficiency and accuracy of fuel delivery operations. This system caters to a wide range of user needs, from individuals stranded without access to nearby fuel pumps to people seeking convenience when refuelling their vehicles at any location and time. It encompasses modules for users, delivery team, fuel stations, and administrators, facilitating the management of customer information, fuel orders, delivery tracking, and inventory management. With real-time tracking, optimized routes, and payment transaction records, it aims to automate manual processes, reduce errors, and optimize resource utilization, ultimately improving customer satisfaction and the overall fuel delivery process.

Specify the Viewers/Public which is to be involved in the System?

- Users (Customers): These are individuals who require fuel delivery services. They use the system to place orders, track their orders, and make payments. Users benefit from the convenience of on-demand fuel delivery at their preferred locations.

- Delivery Team: The delivery team is responsible for fulfilling fuel orders. They use the system to accept or reject user requests, track the location of users, and efficiently deliver fuel to the specified locations. Real-time tracking and optimized routes are essential for the delivery team.

- Fuel Stations:They provide necessary information such as branch details, fuel types, and location information. They also receive and process fuel orders from users.

- Administrators: Administrators oversee the entire system. They verify fuel station details, manage user modules (including customer information), and ensure system security and integrity. Administrators play a pivotal role in the system's overall functioning and maintenance.

List the Modules included in your System?

- Login
- Registration
- Profile
- Payment
- Details adding
- Order request
- Location track
- Approve/Reject Request
- Notification
- Review and feedback

Identify the users in your project?

- Admin
- Fuel shop
- Delivery team
- User

Who owns the system?

The system is owned and administered by administrators of the system.

System is related to which firm/industry/organization?

The System is related to Fuel Delivery Services.

Details of person that you have contacted for data collection?

- Pump
- https://iocl.com/ (Website)