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Software Design Assignment 1

1. Discuss your initial thoughts in detail on how you will design this application? (2 points)

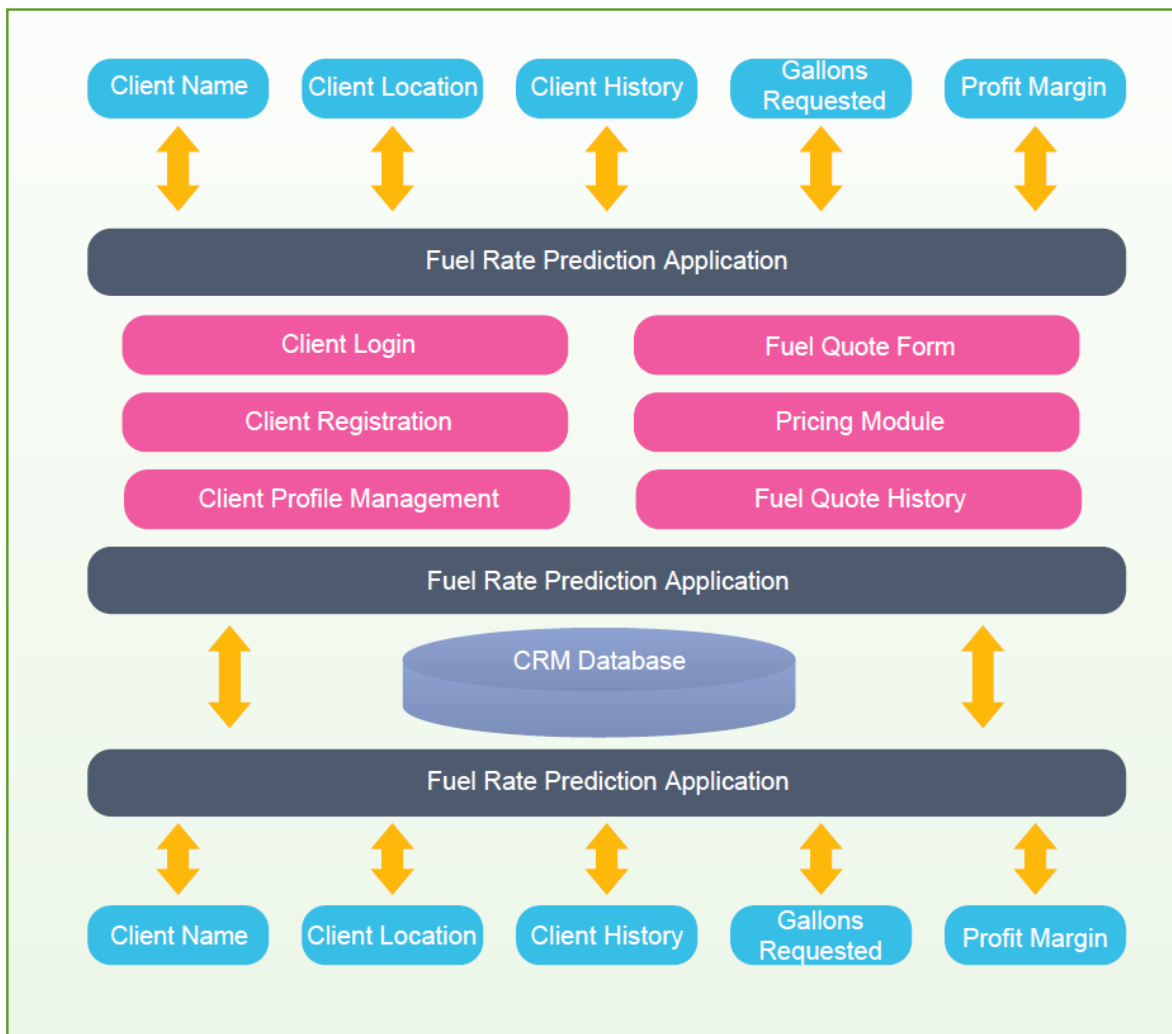
We will be using HTML/CSS/Javascript for front-end development to design the elements the user/client will interact with and use the application. We will create a database to store user information, geographic information, and other attributes and information.

2. Discuss what development methodology you will use and why? (2 points)

We will be using Agile development in this process since it is the most useful and efficient methodology in app development. An Agile process helps us implement and adapt to the customers' needs more in a more flexible and efficient manner since it is a process that allows for change. We will communicate throughout the development progress and work on the project together.

3. Provide high-level design/architecture of your solution that you are proposing? (6 points)
<https://www.edrawsoft.com/software-architecture-example.html>

The client will log in using his user information. If they are a new client, the software will allow the client to register. After the account is created, it will take them to their profile page and allow them to edit their personal information. On the home page, there would be a link for the fuel quote form that requires information the client needs to enter. This is the front-end interface in which the clients can use the application and enter information, get quotes, etc... After the information is entered the software should calculate the rate with the entered information and display the result on the screen and at the end of the form. After the result is displayed, the form with the information and the calculated rate with the date will be stored and displayed in the client request history allowing the client to view the past calculation. The client information will be stored in a database.



Group Member Name	Contribution	Discussion Notes
May Chu	Designed high-level architecture and shared/brainstormed initial thoughts	We answered all the questions together and worked on both diagrams together
Mariam Abo-Zahrah	Brainstormed initial thoughts, discussed development methodology and worked on UML chart	We answered all the questions together and worked on both diagrams together
Brooke Bushman	Brainstormed initial thoughts, designed chart based on high-level design architecture that we all agreed on	We answered all the questions together and worked on both diagrams together

