

In this assignment you will build the front end for the web application that you designed in assignment 1.

Remember, **we are only building front end in this assignment.**

**Description:**

Same as assignment 1.

**Additional Details:**

Front end must include following components:

- **Login** (Allow Client to register if not a client yet)
- **Client Registration** (Initially only username and Password)
- **Client Profile Management** (After client registers they should login first to complete the profile). Following fields will be on Profile page / form:
  - Full Name (50 characters, required)
  - Address 1 (100 characters, required)
  - Address 2 (100 characters, optional)
  - City (100 characters, required)
  - State (Drop Down, selection required) DB will store 2 character state code
  - Zipcode (9 characters, at least 5 character code required)
- **Fuel Quote Form** with following fields: (We are not building pricing module yet)
  - Gallons Requested (numeric, required)
  - Delivery Address (Non-editable, comes from client profile)
  - Delivery Date (Calendar, date picker)
  - Suggested Price / gallon (numeric non-editable, price will be calculated by Pricing Module - we are not building pricing module yet)
  - Total Amount Due (numeric non-editable, calculated (gallons \* price))
- **Fuel Quote History**
  - Tabular display of all client quotes in the past. All fields from Fuel Quote are displayed.
- You should have validations in place for required fields, field types, and field lengths.
- **NOTE:** Only provide a word / pdf doc. You should use GitHub for your group collaboration and code.

**Answer these questions:**

1. Provide link to GitHub repository for TAs to view the code? (1 point)
2. Discuss if your design and development methodology has changed since assignment 1 and why? (1 point)
3. List what front end technologies you are using and why. List who is responsible of doing what in your group? (2 points)
4. Provide screen shots of your front end, each page? (5 points)
5. **IMPORTANT: list who did what within the group. TAs should be able to validate in GitHub, otherwise team members who didn't contribute will receive a ZERO. (1 point)**

## Answers

1. <https://github.com/Rawbethy/COSC4353Group42>

2. Our team initially adopted the Agile methodology for our design and development process, and it has proven to be a successful approach thus far. We are confident in the benefits of this methodology, and it has allowed us to effectively communicate and set up our initial system. Specifically, the Agile method has been particularly effective for our front-end development, allowing us to stay flexible and responsive to changes in user needs and requirements.

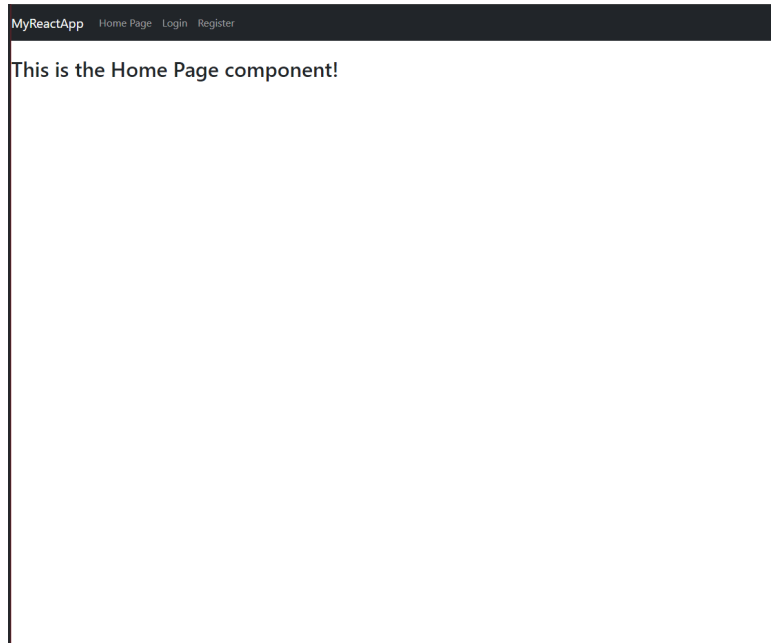
3. Our project utilizes a range of front-end technologies, including React, HTML, JavaScript, and CSS. React, in particular, is a popular open-source library created by Facebook, which emphasizes the use of reusable components in UX design. Our team selected React for its popularity and real-world applicability, as well as its performance benefits, thanks to its virtual-DOM model. With React, we can easily embed HTML and JavaScript logic using JSX, reducing coding overhead and allowing us to render our desired elements efficiently.

To ensure the robustness of our front-end experience, our team is working collaboratively, with each member contributing equally to the project. We have discussed the project's overall specifications and decided to develop individual pages.

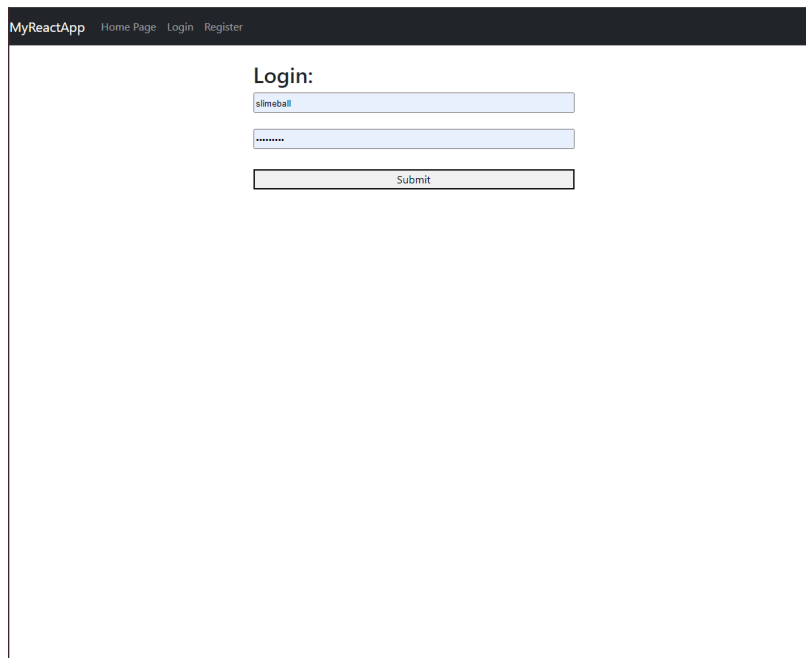
More specific details about each member's contribution will be provided in response to Q5.

#### 4. ((SCREENSHOTS))

##### HOMEPAGE



##### LOGIN PAGE



REGISTER PAGE

MyReactApp

Home PageLoginRegister

Register:

Email:

Enter Email

Username:

slimeball

Password:

\*\*\*\*\*

Submit

localhost:3000

USER HOMEPAGE AFTER LOGIN

MyReactApp

Home PageProfileOrder HistoryQuote FormLogout

Welcome back slimeball!

EDIT PROFILE INFO PAGE

MyReactApp

[Home Page](#)[Profile](#)[Order History](#)[Quote Form](#)[Logout](#)

Edit Profile

Full Name

John Doe

Username

slimeball

Address 1

1234 Main St

Address 2

Apartment, studio, or floor

City

State

Alabama

Zip

Phone

Email

Submit

localhost:3000

ORDER HISTORY PAGE

MyReactApp

[Home Page](#)[Profile](#)[Order History](#)[Quote Form](#)[Logout](#)

Order ID	Date	Gallons Requested	Delivery Date	Price/gallon	Total Price
1	11/28/2000	12.000	12/20/2000	.99	11.880
2	11/29/200	13.000	12/20/2000	.89	11.570

FUEL QUOTE FORM PAGE

MyReactApp

Home Page

Profile

Order History

Quote Form

Logout

Fuel Quote Form:

Delivery Address:

Enter Address

Devilery Date:

mm/dd/yyyy

Gallons Requested:

ex. 1, 10.5

Suggested Price / Gallon:

Price per Gallon

Total Amount Due

Total

Submit Request

5 .

Group Member Name	What is your contribution?	Discussion Notes
Saim Ali	Quote history component	
Robert Duque	Main app, navigation, backend, state management	
Muhaimin Badar	Profile component and Q1,Q2,Q3	
Vy Nguyen	Quote form component	