Assignment_ID: assignment_category_0009

Assignment 11

Read This Following details carefully

Focus on making the website visually appealing. Ensure that
- Color contrast is pleasing to the eye
- The website does not have a gobindo design
- The website has proper alignment and space

If needed, customize the design of any component you are taking from any component library. (For example, you are using daisy ui & have taken a card component from Daisy, if needed, customize the styling of the card to make it reasonable rather than just copy & paste it.)

Your website can not be related to your previous assignments' layout/ design or any practice project shown in the course modules or our conceptual sessions.
Ex: You can't copy any design or similar functionality/ layout of
- Dragon news
- Espresso Emporium
- Genius Car
- Career Hub Website,
- Any conceptual session Projects
- Projects shown in our course.
- Any of your previous assignments

If any similarities are found, you will get zero(0) as a penalty.

📢 Let's understand the website theme

You have to create an **Alternative Product Information System**. Where users can
- Users can Add/update/Delete his own Query about a product in The System

- Users can view other queries for alternative products in the Websites and see the Details and other recommendations also.
- Users can Add recommendations also for certain products.
- Users can delete their recommendations from .
- Users can Modify / Delete their comments also.

Key Rules:

- Include a minimum of 18 notable GitHub commits on the client side
- Include a minimum of 8 notable GitHub commits on the server side
- Add a meaningful readme.md file with the name of your website and a live site URL. Include a minimum of five bullet points to feature your website. Write your selected category's name here.
- Make it responsive for all devices. You need to make it responsive for mobile, tablet and desktop views.
- After reloading the page of a private route, the user should not be redirected to the login page.
- Use the Environment variable to hide the Firebase config keys and Mongodb credentials.
- Don't use any Lorem ipsum text; you can not use the default alert to show any error or success message.

Main Requirements

1. Layout

Header
Dynamic sections based on Routes
Footer

- Create A Beautiful Header with a Navbar. Follow the 2nd section for more details about navbar.

- Create a meaningful footer. (including website logo+name, copyright information , social media links (facebook and Linked-In)

- create a 404 Error-Page also. It will show for invalid routes or errors with a button. By clicking the button it will take the user to the homepage.

2. Navbar Design

Your website should have a navbar with the Website name+logo, You have to do some conditional rendering on navigation. Please follow the below requirement.

Every non-logged user will show following nav menu

Home	Queries	Log-in

Every logged in user will show the following Nav Menu with conditional user information.

Home	Queries	Recommendations For Me	My Queries	My recommendations	Logout

3. Login & Registration systems

On the Registration and Login pages, display relevant error messages when necessary.

Login Page: When a user clicks on the login button, they will be redirected to the login page having the following:
- Email/Password Based Login
- Google Sign-in
- A link that will redirect to the registration page

Registration Page: The Registration page will have the Email / Password form having
the following fields:
- Name
- Email
- Password
- Photo URL

Note: Do not enforce the email verification method and forget & reset password method, as it will inconvenience the examiner. If you want, you can add after receiving the assignment result.

4. Home-Page

Home Page is The default Landing page for a user. There will be some sections with navbar and footer layout.

Slider:
Show a simple Slider to express why your website stands for. Use beautiful and strong images to make your web application relevent.

Banner:

A Tiny Banner with a Heading which will motivate users to Take them to The All Queries Page. Add a Button after the heading which will take the user to the All Queries Page.

Recent Queries:
Show the recently Added 6~8 post in a card format. The card shows the following information.
- Product Image
- Query Title
- Product Name
- Brand Name
- Alternation Reason
- Date Posted
- User Info (name, image as thumbnail)

2 Extra Section:
 Add 2 Extra sections with your creativity and own ideas. Try to make the section animative and stronger.

5. Add Queries (Private)

This Page will be a private Route. Users Can't Visit this route directly. Users will find the Route in **My Queries Page.**

In this Add Query Route user will show a form with the following input field.
- Product Name
- Product Brand
- Product Image-URL
- Query TItle ex: Is there any Better product that gives me the same quality?
- Boycotting Reason Details
- Add Query Button

After submitting The Form , create an object with following information and
- user email ,
- Name,
- image (from firebase) ,
- current Date and Time ,

- recommendationCount: (0 by default)

and save the information into a collection in your databse.

6. My Queries (PRIVATE)

This Page Will be a Private Route. On This Page the user will show his added Query in the system and can Add his Queries from this page.

Add Query Banner:

- Create a stylish Banner with a Heading and an Add Queries Button. On Clicking Add Queries button will take the user to **Add Query Page.**

My Query Section:
- Users can view all his Queries in 1/2/3 column card layout in descending order based on Timestamp.

- If No queries Found , Show a relevant message and **add Query Button**
- Show Relevant information with 3 button
  - **View Details**
    It will Take user to the Query Details Route.
  - **Update**
    It will Take user to a different Route for updating the data. You can do this with a modal also.
  - **Delete**
    It will pop up a confirmation and by confirmation, It will delete query of the user.

7. Queries

On This Route, Users will see All The Queries in Descending order with following information in a card format . It could be 1/2/3 column layout

- Product Image
- Query Title
- Product Name
- Brand Name
- Alternation Reason
- Date Posted
- User Info (name, image as thumbnail)
- recommendationCount
- recommend Button

Clicking the recommend button will take you to the Query Details page.

8. Query Details

On this page , user will show specific queries with all the informations
Query Information
- Product Image
- Query Title
- Product Name
- Brand Name
- Alternation Reason
- Date Posted
- recommendationCount

User Information
 Show the information of the user who created this query.

Add A Recommendation
 Show a Form below with following input fields
- Recommendation Title
- Recommended product Name
- Recommended Product Image
- Recommendation reason
- Add Recommendation

By Clicking Add Recommendation Button save the information of recommendation in a collection in your database with all the data of form and
- queryId

- QueryTitle
- productName
- userEmail (who create the query)
- userName (who created the query)
- Recommender Email (current user email)
- Recommender Name (current user Name)
- Current Time-Stamp (current Date)

After saving the requirements you have increased the recommendation count of this query.

All Recommendations
Show All the recommendations for that particular queries. With information with recommended images and date and other info .
The recommendation should look like a comment.
Hint : show from recommendation collection where query ID match with current Query _id

9. My Recommendations

On This Route the user will show all the recommendations made by him from the recommendation collection in a table format. With some details (it's up to you).

User can't modify his recommendation. He can only delete recommendations. So create a button for deleting his recommendation. Hitting the delete button will delete the recommendation with confirmation.

- After successful deletion decreases the recommendation count of the query.

10.   Recommendations For Me

On This Route User can show all the recommendations made by others only for his All queries in a table format. With some details. (It also up to you)

Challenges Requirements

1. **Search functionality :** On the all queries page add a search functionality based on product Name. show all the queries where the search text matched with the product's name in the query.

2. **JWT Authentication:** Upon login, you will create a JWT token and store it on the client side. You will send the token with the call and verify the user. Implementing 401 and 403 is optional. Ensure you have implemented the JWT token, create a token, and store it on the client side for both email/password-based authentication and social login. You must implement JWT on your private routes.

3. **Change Layout:** In All Queries Page, there will be 2-3 buttons for toggling the grid layout.
Suppose , if you did a 3 column grid layout , then by toggling the Button it will change the layout.

4. **Dark / Light Theme:** Implement a dark / Light theme toggling in your Navbar for the whole web application.

Optional (But Highly Recommended):

Implement any two tasks from the following optional list:

1. Try to use any other tailwind CSS library like - [mamba Ui](#), [shadcn](#), [chakra UI](#), [flowbite](#).
2. Add a spinner when the data is in a loading state. You can add a gif/jpg, use any package or customize it using CSS.
3. Explore and implement any of the animations from the Framer Motion.
4. Add one extra feature of your own. This will help you in the future to differentiate your project from others.
5. Implement Pagination in the Need Volunteer Page. Show 6-9 services per page.

What to submit:

1. Your Assignment ID/Variant
2. Your client-side code GitHub repository
3. Your server-side code GitHub repository
4. Your live website link

Additional information:

1. You can host images anywhere.
2. You can use vanilla CSS or any library.
3. Try to host your site on Firebase (Netlify hosting will need some extra configurations)
   Firebase Hosting Setup Complete Issue
4. Host your server-side application on Vercel. If needed, you can host somewhere else as well.
   How to deploy a Node/Express server using Vercel CLI
   Some Common Vercel Errors
5. Make Sure you deploy server-side and client-side on the first day. If you have any issues with hosting or GitHub push, please join the "Github and deploy" related support session.

Some Guidelines:

1. Do not waste much time on the website idea. Just spend 15-20 minutes deciding,

find a sample website, and start working on it.

2. Do not waste much time finding the right image. You can always start with a simple idea. Make the website and then add different images.

3. Don't look at the overall task list. Just take one task at a time and do it. Once it's done, pick the next task. If you get stuck on a particular task, move on to the next Task.

4. Stay calm, think before coding, and work sequentially. You will make it.

5. Be strategic about the electricity issue.

6. use chatGPT to generate JSON data. You can use chatGPT for other purposes as well.