

Internship Assignment: Building a Social Media Login and Signup Flow

(Typically takes 3–4 Hours)

Objective:

The objective of this assignment is to create a login and signup flow similar to social media platforms, with Firebase authentication, user profile creation, interactive image display, and QR code generation. Build the assignment using MERN stack (MongoDB, Express.js, React.js, Node.js) and Tailwind CSS. The assignment will be evaluated based on the criteria listed below.

Requirements:

1. Firebase Integration (10%):

- Implement Firebase authentication for login and signup.
- Allow users to login/signup using Google and custom email.
- Ensure secure handling of user authentication tokens.

2. Input Fields Included (10%):

- Create a signup form with fields for name, phone number, profile photo, cover photo, and other personal details.
- Use different input field types such as text fields, radio buttons, and dropdowns for varied user input.

3. Interactive Image (25%):

- Ensure the image responds to mouse movements: moving right/left when the mouse moves right/left, moving up/down when the mouse moves up/down.
- Use CSS and JavaScript to achieve the desired effect.
- Implement an interactive image display similar to the reference provided (<https://linktr.ee>).

4. Data Storage and Handling (25%):

- Store user profile data in a MongoDB database using MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implement CRUD operations for managing user data.
- Ensure data persistence and retrieval for user accounts.

5. QR Code Working (30%):

- Generate a unique QR code for each user account.
- Ensure that scanning the QR code allows a third user to view the user's profile page.
- Implement the QR code functionality using libraries or APIs compatible with MERN stack.

6. Bonus:

- +5% bonus for clean and easy-to-read code.

Submission Guidelines:

- Provide a link to your hosted project (e.g., GitHub repository or deployed website).
- Provide clear instructions for running the project locally.
- Submit the assignment codebase along with a README.md file explaining the project structure, setup instructions, and any additional notes.
- Ensure that the assignment is thoroughly tested and functional.

Evaluation Criteria:

- Firebase integration (10%)
- Input fields included (10%)
- Interactive image (25%)
- Data storage and handling (25%)
- QR code working (30%)
- Clean and easy-to-read code (+5% bonus)

Note: Applicants are expected to thoroughly understand the assignment as the second round of interviews will be based on questions related to the assignment.

Good luck!

In case of any queries feel free to reach us out at info@tapop.co, Our team will be more than happy to assist you with any queries.