The Future University- SDE Assignment

Project Description:

You are required to create a simplified social media platform where users can interact in the following ways:

Core Functional Requirements:

1. **User Authentication:**
    - Implement secure login and signup functionality.
    - You may use any authentication service such as **NextAuth.js**, **Clerk**, **Auth0**, **Firebase Auth**, etc.
2. **User Profiles:**
    - Allow users to create and update their personal profiles.
    - Each profile should include at least: name, profile picture, and a short bio.
3. **Post Creation and Feed:**
    - Users should be able to create and publish posts (e.g., a short text message or image).
    - Users should be able to see posts made by other users in a global feed.
4. **Post Reactions (Likes):**
    - Enable a **like button** for each post.
    - **Important:** Users can like a post multiple times, similar to Medium's Clap. You should store only the total number of likes per post. There is no need to track or store which specific users liked which posts.

Technical Guidelines:

- **Frontend:**
    - Use **Next.js** or **React.js** for building the user interface.
    - Responsive UI/UX for mobile and desktop.
- **Backend:**
    - You may use **Next.js API routes**, **Node.js with Express**, or any backend technology of your choice.
    - Ensure your backend is structured to handle API requests securely and efficiently.
- **Database:**
    - Use a hosted database service like **Supabase (PostgreSQL)**, **MongoDB Atlas**, or any other cloud database.
    - Design appropriate schemas to store user profiles, posts, and reaction counts.

Deliverables:

- A working web application hosted on a platform of your choice (e.g., Vercel, Netlify, Render, etc.).
- A GitHub repository with well-structured code and a clear `README.md` that includes:
    - Project setup instructions
    - Technologies used
    - Key features implemented
    - Any limitations or known issues

Optional Enhancements (Bonus Points):

- Profile avatars using file uploads or avatar generators.
- Basic image upload support for posts using services like Cloudinary or Firebase Storage.

Evaluation Criteria:

- Functionality and completeness of core features
- Code quality and structure
- Use of modern development practices
- Proper use of authentication and database services
- UI/UX design and responsiveness

Submission Guidelines:

- Kindly submit your assignment at https://forms.gle/uB8vKDy4PSs1HpD16
- The last date for submission is **21st June,2025.**

Please ensure the project is submitted by the deadline with proper documentation and a demo link if hosted online.