

ANONYMOUS CONFESSION WALL

(With Reactions + Secret Codes + Google OAuth 2.0)

OBJECTIVE

Build a simple MERN stack project where users can log in using Google OAuth 2.0, post anonymous confessions, react to them, and use a secret code to edit or delete their confession.

TECHNOLOGY STACK

- MongoDB (Database)
- Express.js (Backend Framework)
- Node.js (Server Runtime)
- Frontend: HTML + CSS + JavaScript (React Optional)
- Authentication: Google OAuth 2.0

FUNCTIONAL REQUIREMENTS

- User must login using Google OAuth 2.0 before posting.
- User can submit an anonymous confession.
- User must enter a secret code while submitting.
- All confessions should be displayed on the home page.
- Each confession should have reaction buttons (Like, Love, Laugh).
- User can edit confession only by entering correct secret code.
- User can delete confession only by entering correct secret code.

BACKEND REQUIREMENTS

- Create REST APIs using Express.
- Use MongoDB with Mongoose.
- Implement Google OAuth 2.0 using Passport or similar library.
- API Routes Required:
- POST /confessions (Create)

- GET /confessions (Read All)
- PUT /confessions/:id (Update with secret code)
- DELETE /confessions/:id (Delete with secret code)
- POST /confessions/:id/react (Add reaction)

DATABASE STRUCTURE

- text (String)
- secretCode (String)
- reactions (Object: like, love, laugh counts)
- createdAt (Date)
- userId (Google account ID)

SECRET CODE RULES

- Minimum 4 characters.
- Must be verified before update or delete.
- If wrong code is entered, show error message.

UI REQUIREMENTS

- Simple, bold, clean layout.
- Confession card design.
- Reaction buttons visible on each card.
- Prompt box for secret code during edit/delete.
- Google Login button on homepage.