Beginner Full-Stack Project Ideas

1. URL Shortener

Backend (Go):

- Handle HTTP requests to shorten URLs and redirect users.

- Store URLs in a database (SQLite, PostgreSQL, or an in-memory map).

Frontend (React):

- Input field to submit URLs.

- Display shortened URLs.

2. To-Do App with Database

Backend (Go):

- REST API with CRUD operations (Create, Read, Update, Delete).

- Store tasks in a database.

Frontend (React):

- Add, edit, delete, and mark tasks as done.

- Fetch tasks from the backend.

3. Simple Expense Tracker

Backend (Go):

- API for adding, updating, and deleting expenses.

- Store expenses in a database.

Frontend (React):

- Form to add expenses (amount, category, date).

- Display a list of expenses and a total balance.

4. Weather App

Backend (Go):

- Fetch weather data from an external API (e.g., OpenWeatherMap).

- Serve as a proxy to avoid exposing API keys.

Frontend (React):

- Input for city name.

- Display weather data like temperature and conditions.

5. Blog with User Authentication

Backend (Go):

- JWT-based authentication.

- CRUD API for posts and comments.

Frontend (React):

- User login/logout.

- Create, edit, and delete posts.