

Problem Statement: Developer Pairing App

Description:

Create a website that helps developers find and pair with others for coding challenges, solving problems, building projects, etc.. Users can select the experience level, programming language, and availability and more such features.

Expected Solution:

- **User Registration & Profile Setup:**

Users sign up with basic details (name, email, password) or via GitHub/LinkedIn/Google. Create a profile with experience level, preferred languages, and availability.

- **User Dashboard:**

After logging in, users view their profile and can search for collaborators based on experience, languages, and availability.

- **Search, Filters & Matching Algorithm:**

Users can filter potential collaborators based on experience level, programming language, availability, and skillset. The matching algorithm then prioritizes compatibility by suggesting users who meet the selected criteria. Users can review profiles, and if both express mutual interest, they are connected and can begin collaborating.

- **Chat Feature:**

Real-time chat for matched users to discuss projects, share code, and collaborate.

- **Project/Challenge Creation:**

Users can create or join coding challenges/projects, with descriptions, requirements, and deadlines.

- **Team Collaboration & Task Management:**

Paired users form teams, create tasks, assign them, and track progress with a simple board layout.