

\*List of members (one email per group)

- Title of your app
- Description of your app in a paragraph. At least 5 sentences (write enough so whoever read it will have a good idea on what it does)
- Basic architecture in the form of a diagram that you will use for the app. You can use a tool to draw, or take a picture of a hand drawn diagram.

### **Team Members**

Thinh Huynh (014727141)

Vineet Samudrala (017426253)

Satwik.Upadhyayula(017423796

Shreekar Kolanu(017406493)

### **App Title: "SkillSwap: Peer-to-Peer Skill Exchange Platform"**

#### **Description:**

SkillSwap is a mobile platform designed to facilitate the exchange of skills and knowledge between individuals, fostering a community of learners and mentors. Whether you're looking to learn guitar, speak a new language, or code in Python, SkillSwap connects you with someone who can teach you in exchange for a skill you can offer. The app features personalised matching algorithms to ensure compatibility between users in terms of learning styles and goals. SkillSwap incorporates a scheduling tool, live video sessions, and progress tracking to enhance the learning experience. To maintain quality and safety, the platform includes user ratings and feedback. By democratising learning and leveraging the diverse skills of its user base, SkillSwap aims to create a global community of lifelong learners and educators.

#### **Basic Workflow Architecture:**

**User Profiles and Matching Engine:** Handles user data, including skills offered and sought, and uses algorithms to match users.

**Live Session Integration:** Incorporates video conferencing APIs for live learning sessions.

**Scheduling Tool:** Manages session scheduling between users, with calendar integrations for reminders.

**Feedback and Rating System:** Collects and displays feedback and ratings to ensure trust and quality within the community.

**Notification System:** Sends users notifications about match suggestions, upcoming sessions, and feedback received.

## Architecture Diagram for Skill Swap Mobile application



