Team 17 Project Charter

Team Members:

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Problem Statement:

GPS navigation has become a staple in modern life, allowing people to get to where they need to go in a timely manner and in a much simpler way. However, not many applications take advantage of an interpersonal approach to support group meetings. Google Maps offers a "share location" feature which allows users to see the location of the people they are meeting with. However, users are unable to schedule a meeting with others directly through the app. Our application utilizes GPS navigation by allowing users to coordinate meetups and ensure other users arrive safely to their respective destinations.

Project Objectives:

- Allow users to form groups with other users and plan a time and destination for a meeting.
- Display each group member's location and their route to the meeting location to everyone else in real-time.
- Send users notifications alerting them when they need to depart in order to arrive to the group destination on time.
- Send users notifications alerting them when other members of their group arrive at their next location safely after a meeting has terminated.
- Recommend common meeting places for users based on previous usage statistics.

Stakeholders:

Developers: Ariya Lau, Aaron Lynn, Daniel Sanchez, E.J. Wennerberg, Michael Zhang
Project Owners: Ariya Lau, Aaron Lynn, Daniel Sanchez, E.J. Wennerberg, Michael Zhang
Project Coordinator: Tara Williams
Users: Groups of people who are travelling to the same destination and would like to coordinate their arrivals, groups of people leaving separately and travelling to different destinations, and people who are travelling want to share their location with friends and family members.

Deliverables:

- An Android application that sends a user's location in real-time and displays other users' locations using the Google Maps SDK.
- A Django/Python web server that continuously relays users' locations to everyone's devices.
- A reliable SQL database (e.g. SQLite) using Django's ORM to store basic user information, planned future meetings, and usage statistics.