Team #4 Project Charter

Apollo

Team Members:

Jacob Beene, Ali Al Darwish, Brandon Jiang, Edward Potapov, Daniel Sowers, Saimonish Tunguturu

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Project Title:

Apollo: Purdue Social Network and Review Site for Courses, Professors, etc.

Problem Statement:

Before signing up for a class, every Purdue student has gone through the process of desperately looking for information about the course they are signing up for and connecting with those who have previously taken it. Our goal with this project is to create an efficient way for Purdue students to gather data on their potential courses based on the experiences of those who have previously taken the course, and also allow a way for current students to connect with their classmates and professors. With Apollo, students will no longer need to browse various platforms in order to find the information for a course they are looking for. This will be done by combining aspects of a social networking site such as chat-rooms with a review site and compiling crowd-sourced data based on official course data scraped from Purdue's websites and organizing this data into an index of courses.

Project Objectives:

- ❖ Build a centralized location for information that Purdue Students regularly look for
- ❖ Implement functionality that allows users to leave reviews and comments about classes and professors. Reviews can be made from a scale from 1 to 5 overall and additionally on various aspects of the class / professor such as likeability, difficulty, and time consumption.
- ❖ Scrape and display data from various Purdue related sites. The data can consist of class grade statistics, location, general class information, etc.
- ❖ Moderate information on the platform to comply with ACM Code of Ethics
- ❖ Allow users to create personalized accounts by providing their role, grade, profile picture, bio, relationship status, what classes they are currently taking, interests, major and creating public posts
- ❖ Verify user roles (student vs. professor)

- ❖ Provide the ability for social interaction via private messaging, liking/upvoting public posts, creating private/public groups, and adding friends

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Stakeholders:

Users: Purdue Students who are looking to connect with other classmates and efficiently learn about their classes. Purdue Professors / Instructors who would like to display information about themselves and/or their respective courses.

Developers: Jacob Beene, Ali Al Darwish, Brandon Jiang, Edward Potapov, Daniel Sowers, Saimonish Tunguturu

Project Coordinator: Jakob Hain

Project Owners: Jacob Beene, Ali Al Darwish, Brandon Jiang, Edward Potapov, Daniel Sowers, Saimonish Tunguturu

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Deliverables:

- ❖ Web Application front-end written in React that allows users to search for Purdue classes, buildings, ratings, and other pieces of information that might be useful for students. With also a discussion board for the following items.
- ❖ A backend implemented using Express.js and Node.js for handling the site requests such as searches, discussion posts, user creation/authentication, and direct messages.
- ❖ MongoDB will be used for the database to store all the related information for all the entries in the search system, messages, and discussion posts.
- ❖ Python libraries such as Beautifulsoup will be used to scrape information off various sites to catalog all the pieces of information that will be entries in the search engine aspect of the app.