Team 23 Project Charter
Easy A

Team Members:

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Problem Statement:

The team's project, *Easy A*, will allow Purdue students to learn about what other students think about classes they consider taking. It will help a student decide between electives or even get insight into their future major courses. It will stand out from similar websites because of the inherited credibility in the website since only active Purdue students can sign up. It is going to be a website that would allow students to search for professor names or classes to read their reviews. Everyone can read the reviews, but only logged-in students can write reviews. Reviews could be upvoted, downvoted or reported depending on the quality of the review. *Easy A*, is not a replacement for advisors, but honest reviews for classes from the students' perspective.

Project Objectives:

- Build a website to let Purdue students review courses and recommendations based on reviews from other users to determine electives/course concentration etc.
- Analyze the data collected from user reviews and generate analytics to help students determine the best instructors/courses to select from the listings at Purdue University.
- Implement a system to evaluate credibility of user reviews based on upvotes, downvotes and reports if necessary.
- Create a search engine that is capable search and filter courses/professors according to tags assigned by user reviews.
- Develop an authentication system where only Purdue students could register to allow them to write reviews.

Stakeholders:

Users: Students enrolled at Purdue University seeking more information about a course.

Developers: Arshpreet Singh, Kaushik Ramachandran, Luciano Handal Baracatt, Pratyaksh Motwani, Sadiq Ahmed A Albinalshaikh

Project Managers: Romil R Havewala

Project Owners: Arshpreet Singh, Kaushik Ramachandran, Luciano Handal Baracatt, Pratyaksh Motwani, Sadiq Ahmed A Albinalshaikh

Deliverables:

- A web application based on **Python(Flask API)/Node.js** as the backend and **AngularJS/ReactJS** as the frontend framework. **HTML, JavaScript and CSS** will be used to assist with the website interface implementation.

- A control panel interface for the website administrators to manage reported users or reviews.
- A **Firebase Database** to store the users, posts and activity tables.
- A **Firebase Authentication** system to authenticate a valid Purdue career account.