Team 36 Project Charter
Pete's Plan

Team Members:

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Problem Statement:

Purdue University offers 6,700 courses in 200 specializations, making it nearly impossible for students to navigate all the requirements. Additionally, degree plan information is widely dispersed and difficult to find, not only for new students, but also upperclassmen. Pete's Plan will allow students to make degree plan choices more effectively and in a well-informed manner by pulling together resources such as plans of study, course descriptions, prerequisites, course scheduling, and more. This eliminates the need for hours of browsing through an enormous number of tabs, prevents students from asking their advisor the wrong questions, and provides guidance to students who are feeling overwhelmed.

Objectives:

- Build a website that brings all course planning information into one place.
- Retrieve Purdue course data from various sources (ex: Course Catalog, Scheduling Assistant, MyPurduePlan, etc).
- Allow users to create accounts to save their course plans, degrees, and already taken courses.
- Generates plans of study according to student's major and minor requirements.
- Provide an accessible and easy-to-learn platform for course planning.

Stakeholders:

Users: University students looking for assistance in creating or modifying a degree plan. The initial scope being Purdue students specifically.

Developers: Anushka Sharma, Chloe Wang, Cole Doner, Patricia Madalena Magalhaes Casaca, and Shivani Venkatraman

Project Manager: Raushan Pandey

Project Owners: Anushka Sharma, Chloe Wang, Cole Doner, Patricia Madalena Magalhaes Casaca, and Shivani Venkatraman

Deliverables:

- A front-end web application using React and TypeScript which allows users to plan courses and view degree requirements, and stores account session information in local session data or cookies.
- A NodeJS backend that processes user requests, hosts course information, and can regularly pull course, professor, and timing information into the website.
- A NoSQL Database (MongoDB) that contains degree requirements, course descriptions, prerequisites, scheduling information, user accounts, etc.