Team 21 Project Charter
BoilerBoard

Team Members:
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Problem Statement:
A prevalent issue among Purdue University students is the lack of a centralized platform for academic discussions, questions/answers and resource sharing. This leads to fragmented information, making it challenging for students to find relevant academic help quickly. Our project, BoilerBoard, aims to address this by creating a Purdue-specific educational website that facilitates academic discussion and resource sharing for Purdue courses. Unlike existing services, BoilerBoard will be tailored to Purdue University's curriculum and community, providing unique features to students to enhance and personalize their student experience. Students will be able to create and join modules that correspond to Purdue courses and Instructors will be able to moderate these modules. These modules will consist of student-created learning materials, Q/A sessions, discussions, and voice-chat rooms.

Project Objectives:
1. Build a website for connecting the students of Purdue that want a centralized platform to study, learn, and discuss course materials in an academically honest way
2. Provide a user-friendly interface for sharing learning materials and posting/answer questions related to courses in a discussion-like forum
3. Have a practice module that allows students to do practice questions on specific units in the course.
4. Develop a system for users enrolled in similar courses to contact each other privately or publicly
5. Implement a system for users to rate the usefulness of questions and answers to continuously ensure that this is a helpful resource

Stakeholders:
Users: Purdue students and instructors
Developers: Arunav Sen Choudhuri, Arman Kumar, Soham Sharma, David Cox, Maximus Beato
Project Manager: Wi Yu
Project Owners: Arunav Sen Choudhuri, Arman Kumar, Soham Sharma, David Cox, Maximus Beato

Deliverables:
- A React JS end web application that acts as a hub for the course resources and forums
- A Django middle and backend combined with Postgresql backend to service network requests and manage user data
- An interface for social functions to connect students with each other for studying
- An interface for instructors to adding / manage courses to align with Purdue policies