Team 16 Project Charter
BoilerBite

**Team Members:**
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**Project Title:**
BoilerBite: A nutrition app for Purdue's dining halls

**Problem Statement:**
An issue common to Purdue students living on campus is the lack of accessible nutritional information about the food they eat each day at the dining courts; as a result, it becomes extremely difficult for students to stick to a healthy diet. With BoilerBite, Purdue students will be able to stay on top of their health by easily entering what they ate at a dining court that day in just a few simple taps and having BoilerBite automatically track all of their nutritional info for them. Based on their nutritional goals, BoilerBite will give the student recommendations in order to help them tailor their meals to fit their needs. While there are other meal planning apps on the market, there is currently no app for specifically for Purdue dining courts that tracks nutrition this easily or accurately.

**Project Objectives:**
- Build a mobile application in order to make it easy for Purdue students on a meal plan to manage their daily nutrition.
- Create user profiles that allow for individual users to log in and track their nutritional progress/goals over a long period of time.
- Allow users to customize their nutritional goals on a day-to-day basis, varying things such as calories, protein, etc.
- Give the users meal recommendations in order to better meet the nutritional goals they set for themselves.
- Provide users with the ability to omit certain dining halls in order to tailor plans to their needs.

**Stakeholders:**
Users: Purdue students and faculties that frequent the dining courts and would like an easier way to keep track of their daily calorie intakes.
Developers: Ridwan Chowdhury, Jeremy Yang, Uday Chaudhary, Isha Mahadalkar
Project Manager: Danning Xie
Owners: Ridwan Chowdhury, Jeremy Yang, Uday Chaudhary, Isha Mahadalkar

**Project Deliverables:**

- A mobile application made using Swift for iOS that allows users to login and keep track of their calorie intakes from the dining courts.
- A user-friendly mobile interface that is intuitive to use and comfortable to look at and navigate.
- A NoSQL database that will allow users to login and keep track of their data
- Visual representations of daily and/or weekly user progress to help users keep track of their progress.
- An algorithmic recommendation system to help users curate their meal plan.