Team 2 Project Charter
Füdstops

Team Members
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Project Title
Füdstops

Problem Statement
Busy college students don't have a convenient and centralized place to view how busy a dining court or retail restaurant is at certain hours during the day to help determine where to eat (along with knowing what food items are provided at dining courts at that time). Furthermore, students currently do not have the ability to rate food items they consume from dining courts (and retail restaurants), and receive recommendations on where they can find the food that they enjoy (or similar food). Our software will address these needs by aggregating relevant information so that it is publicly available, giving students the ability to rate their menu items, and creating a recommendation system to help students find dining establishments favorable to their specific dietary needs and preferences.

Project Objectives
1. Build a web application that users can interact with to access information and personalized recommendations on dining courts as detailed below.
2. Manage user profiles (collect user data) to leverage information on food preferences and dietary restrictions.
3. Create a recommendation system to suggest dining courts and food items to users based on user data (location, dietary preferences/restrictions, high rated food items).
4. Maintain information on food establishments including popular hours, menu, popular food items, ingredients in the food, nutrition facts, etc.
5. Give users the ability to rate food items (and possible vote on pop-up polls), filter dining locations and their food items by dietary restrictions/preferences; the app will aggregate this data for possible use by the managers of food establishments

Stakeholders
Users: Students who eat at dining courts (we plan to scale this up to people who eat at retail restaurants too) and food court managers and owners

Developers: Young Yu, Aaron Kim, Veer Sahani, Reuben Varghese, Evan Wang
Project Manager: Ruoyang Ye (Ray)
Project Owners: Young Yu, Aaron Kim, Veer Sahani, Reuben Varghese, Evan Wang

Deliverables

- React frontend to display menu information, food location recommendations, food item recommendations, and for users to interact and input preferences (e.g. filters for dietary preferences/restrictions).
- MongoDB NoSQL database to store user data like favorite locations, preferences, food item votes, daily menus at different food locations
- Spring Boot and Java backend that will manage API endpoints and support a standalone application.