Team 5 Project Charter
BoilerDate

Team Members: Youngjun Yoo, Chaewon Lee, Jeongbin Lee, Hosung Ryu

Problem Statement:
Currently, there are many dating apps available, such as Tinder and Bumble. However, Purdue STEM students might find it challenging to find a suitable match on these platforms. BoilerDate is an alternative dating web app that specifically targets Purdue students, with a focus on those in STEM majors. This is because students in STEM are known for their academic strength, but are also often introverted and may have weak social skills. BoilerDate will be catered towards students who want to find their significant other, not only based on common dating app features, but also by common academic goals and interests.

Project Objectives:
- Build a web application that allows Purdue students to match and interact with each other.
- Create user profiles based on personal interests and preferences (physical traits, personality, academics - gpa, major, etc.).
- Generate potential matches based on user profile and give options for them to press like/dislike button.
- Allow users to view and choose their best matches based on desired criterias/preferences.
- Implement a messaging system to allow users to communicate after being matched.

Stakeholders:
Users: Purdue (STEM) students interested in finding a significant other
Developers: Youngjun Yoo, Chaewon Lee, Jeongbin Lee, Hosung Ryu
Scrum Master: Youngjun Yoo
Project Manager: Riya Verma
Project Owners: Youngjun Yoo, Chaewon Lee, Jeongbin Lee, Hosung Ryu

Deliverables:
- Full-stack web application that serves as a platform for Purdue students to find their significant others based on specific academic criterias that other platforms don't provide.
- Build a **React.js** frontend to seamlessly display profiles of users based on set criterias and implement simple UI for like and dislike features.
- Use verified purdue.edu email to ensure only Purdue students can register.
- Develop a **Node.js**, **Express.js**/**MongoDB** backend to store user information in key-value format.

- Implement live chat feature with socket based client and server for matched users to communicate with each other in the website.
- Write efficient query algorithms to filter people based on user preferences and criterias.
- Use APIs to promote efficient, well-organized code for future management.