Team Name: CollegeApp.IO

1. **Team Members**
    - Gokul Yenugadhati - gyenugad@purdue.edu
    - Harsha Lingareddy - hlingare@purdue.edu
    - Sanat Mouli - smouli@purdue.edu
    - Vishaal Bommena - vbommena@purdue.edu

2. **Problem Statement**

    A common problem that students face when applying to colleges is that there isn't enough data regarding prior application statistics such as application timelines, major specific acceptance rates, and intuitive data visualization. For students applying to universities, our solution will gather data into a single application where students can apply to one or many universities while also gaining a better understanding of their acceptance probability. Similar services, such as The Common Application (Common App) exist already, however, the issues with these existing solutions is that they are all manual offline processes in determining college acceptance decisions. Our solution aims to provide a more data-driven and analytical approach with a higher degree of autonomy in the process of determining college decisions.

3. **Project Objectives**
    a. Build an interactive web application that is intuitive
    b. Build a application portal in which students can apply to multiple universities using a single application
    c. Develop a dashboard in which college admission staff can make decisions and remove all manual processes in the selection process
    d. Develop better data visualization tools regarding prior college decisions for students and also college admission staff

4. **Stakeholders**
    a. Users: Prospective Students, College Admission Staff
    b. Developers: Vishaal Bommena, Harsha Lingareddy, Gokulsree Yenugudhati, Sanat Mouli
    c. Project Manager: Harsha Lingareddy
    d. Project Owner: Unassigned

5. **Deliverables**
    a. A web application that allows student users to collect data regarding the colleges they want to apply to and also apply for the colleges of their choosing.
    b. A web application that allows college admission stats to have a visualization tool to better decide whether or not to accept a student to the university.

c. Frontend Angular based interactive web application which provides a dashboard for data visualization
d. Backend Java based server (Spring) which aggregates data from frontend and performs queries to the database
e. A MySQL database that tracks the current application pool and historical application pool for college students and the college admission team.

6. **CS 30700 Projects**
   a. **Names:** Gokul Yenugadhati, Harsha Lingareddy, Sanat Mouli, Vishaal Bommena

      We all worked under the same team for 307. So we wrote one paragraph for all of us instead of multiple individual paragraphs. Our CS 307 project was called CourseRec.

      A common problem that students face is finding classes which align with their interests. Our platform helps students select courses which are best tailored to the their interests, leading to them taking more enjoyable courses and academic success.

      Our idea attempted to approach the problem of students not enjoying the courses they are taking from a student's perspective rather than from a university's perspective, as seen in the case of MyPurduePlan. Our platform provided a “human” element to help students take “better-fitting” classes instead of only displaying degree requirements to satisfy the course requirements. This was all done in a web application with a React/Node frontend and a Python/Flask backend which housed a machine learning module. Vishaal, Sanat and Gokul worked on the backend for the application. Harsha worked on the front end aspect of the project.