Project Proposal

Summary of the Project

Who is on the project team?

Tae Jin Kim & Jee Hyun Kim

What is the main idea of the project? What is your MVP? What are your stretch goals?

To help students decide on which college they want to go to based upon preference input.

MVP:

1. Takes input from students on major characteristics (state, major, SAT,
2. Generate visual plot of top 10 schools along certain characteristic on single axis
3. Axis characteristic can be changed via user input
4. The visual representation is followed by list of 50 schools with links to school website and more information

Stretch Goals:

1. Takes in input from students (state, interested major(s), interested college, sat scores) and suggest colleges/majors which are good fit.
2. Make it interactive
3. Make into webapp

In what way will it change the world? Why do you care about changing the world in this way?

It can help high school students decide on major/college more easily

Many databases and tools allow students to see in depth specific schools, but it is difficult to compare related schools

Allows student to make better choice from financial aspect

What do you want to learn through doing this project?

Learning to create effective visualization which is aesthetically pleasing

Develop own algorithms to rank schools along our single axis

Where will you get the data for your project?

College Scorecard (collegescorecard.ed.gov)

https://collegescorecard.ed.gov/school/?243744-Stanford-University

What form will your final deliverable will take?

If MVP: JPEG/PNG

If Stretch Goal is reached: pyapp/ webapp

Workflow and Schedule

What will your workflow be while working on this project? How will this workflow support successful collaboration with your teammate?

When creating important algorithms or functions/classes that both of us will be using in the code, we will program together and work on other parts separately.

We will be working on sublime together (parallel programming)

Where are you planning to be with this project by the mid-project check-in? (Think about this carefully, I'm going to ask you to report on how this went).
By the mid project check in, we will be completely familiar with the data set, and created some rough visual representation of our MVP. The algorithm for scoring and ranking colleges will be developed for the visual representations too.

Assessment

How should your final deliverable be assessed? This assessment plan must be specific enough that I can apply it to your final deliverable.

Category	Score
Usefulness of the visualisation is to high school students, given the limitation in data	/10
Code readability	/10
Code efficiency	/5
Code documentation	/5
Teamwork	/10