

Group 20 Project Ideas

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<https://github.com/dlopez144/final-project-ITSC3155>

Luke Simone

1. Source: freeCodeCamp Open Data -> Usage statistics for coding projects across the site (see which projects are more popular among users)
2. Customers: CCI Students, Faculty, and Employers
3. Problem: Many CCI students are looking for ways to grow their technical portfolio, connections, and opportunities.
4. Product Vision: Providing students, faculty, and employers with a portal to share opportunities, arrange events, and communicate. It also allows students to grow their technical skills and find job/internship opportunities.
5. Major features: Job/internship finder, project recommendation, communication/connect

Dylan Goodman:

1. Dataset is taken from Kaggle and states the information originally came from the US Department of Education. This or other similar datasets would be used to show data regarding US colleges and universities.

https://www.kaggle.com/jessemostipak/college-tuition-diversity-and-pay?select=diversity_school.csv

2. The customers would be students, parents or adults who want an easy search tool for comparing potential colleges and universities

3. There are many colleges/universities to choose from when moving up through the education ladder. This product would make comparing and visualizing the choices using many different metrics easy to do and in a consolidated place.

4. The product vision would be to have a multitude of graphs and metrics that can be freely used and combined to present the user with a list of colleges that best suit their ideals. It would be useful in helping those who are undecided on where they would like to study to find the right place.

5. Major features would include:

A search feature to look at a list of information pertaining to a particular school

A comparing feature that would take in a list of user defined terms and output graphs/rankings of schools

A selective comparing feature where the user could compare a list of two schools side by side

Colin Speer

1. **AWS Open Data Registry:** Amazon provides millions of different data sets to use for various purposes and projects. One potential data set is the Central Weather Bureau OpenData. This data set provides various kinds of weather raw data and charts.
2. Our customers would be anyone living on planet Earth, who is interested in gaining new knowledge on weather patterns and predicted weather.
3. The problem that the proposed project solves is the great amount of misinformation when it comes to weather. People all around the world, myself included, have tried finding local weather information and haven't been able to.
4. **Product Vision** - To provide a user-friendly way to give accurate and insightful weather information in any city in the world. Our web-based project would be useful to society because it would be useful anywhere in the world, and everyone is impacted by weather every day of the week.
5. The major features would include predicted weather for the rest of the week, graphical interfaces to show raw weather data, the ability to change location, and view weather history.

1) Data sets:

- Source: WHO
- The product would include data sets related to things such as air pollution, water pollution, healthy life expectancy, and sanitation

2) Customers: People who want to live in an area that would help them live a healthy life

3) Problem: Because of the current world situation, people who are interested in visiting or living in another country might be more attentive to things that can influence their health or their immune system, like a country's sanitation level or level of air pollution. They can currently look for a list of healthiest countries online, but these are often selected based on parameters they cannot control, which are also usually not inclusive of most of the key factors that might influence one's health or immune system.

4) Product Vision:

- FOR: People who want to visit a country or move to another country
- WHO: want to visit or live in an area that would help them live a healthy life
- THE: Healthy World Map
- IS A: Data visualization website
- THAT: Organizes data regarding things that contribute to how healthy a country is, based on user-selected parameters
- UNLIKE: web-based articles by Businessinsider or Worldatlas
- OUR PRODUCT: lets users choose the parameters they find important to determine how healthy a country is

5) Features:

- A map of the world is displayed separated by each country

- A selected country would display data for it based on what the user selects to be an important factor in determining how healthy that country is: (air pollution, water pollution, etc.)
- Users can select how to visualize this data (in a heatmap, or some other type of graph)