**Project Ideas**

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**Sorie’s Ideas:**

How much of the US population actually earns the average of $60,000

* **List the source of and describe at least 1 potential data sets.** The data set is available from freecodecamp and links you to the U.S. Census bureau.

<https://data.census.gov/cedsci/profile?q=United%20States&g=0100000US>

* **Identify who your customer/s would be?**
* **Describe the problem that the proposed project solves and justify its need.** According to the census, The average american yearly income is 60,000, yet we have individuals here who aren’t making enough to earn a living wage. Inflation has occurred in the united states, but a rise to the minimum wage has not happened since July 2009.
* **State the product vision and how your web based project would be useful to society:** I wish to create a project that perhaps displays a barchart that can show averages of wages around the country to perhaps inspire change or anything of the sort.
* **Identify the major features of each of the proposed projects:** A type of chart that displays local average wages from around the countries, and perhaps displays changes congress has done in the past.

**Jason Ellerbeck’s Idea:** Create a product that represents the current status of climate change by giving accurate data. Also provide information on how a person would be able to do their part in preventing it.

1. List the source of and describe at least 1 potential data sets - CO2 emissions(kt) - World - provided by Word Bank Open Data - <https://data.worldbank.org/indicator/EN.ATM.CO2E.KT?locations=1W&start=1960&end=2014&view=chart>
2. Identify who your customer/s would be
   1. Adults who are interested in learning about climate change and want to learn more about what they can do
   2. Professionals in the energy sector that are looking for alternative energy sources
   3. Students researching climate change
3. Describe the problem that the proposed project solves and justify its needs
   1. Today, climate change is a real threat to the environment but somehow people are still split on the idea. Our product uses accurate data to represent the rise in climate change to show the user how the Earth is being affected. Along with this, our product will give our users tips on how they can do their part in preventing climate change by changing small habits in their everyday life. With accurate representation and acknowledgement of the problem, our product wants to give our users information on how to protect our future.
4. State the product vision and how your web based project would be useful to society

For adults that wish to learn more about climate change

Who want accurate information on the subject

The Doing Your Part is a website

That provides accurate data along with how someone can do their part

Unlike Nasa.gov

Our product is not intertwined with politics and government to provide an unbiased representation of the problem so people can start to work on the solution. This includes showing real threats to climate change and providing tips on how someone can reduce their carbon footprint.

1. Identify the major features of each of the proposed projects
   1. Data representation through graphs
      1. CO2 emissions
      2. Energy consumption
      3. Countries with high carbon footprints
   2. A section where people can learn about how they can reduce their energy use in their everyday life
   3. Tell people how they can help with changes in local politics
   4. A section that shows what can happen if climate change continues
   5. Show how the world has already been negatively impacted by climate change

**Robert Project Ideas:**

An application that would allow the user to check the quality of the air. It would allow them to look for this data from their county.

1. List the source of and describe at least 1 potential data sets
   1. <https://aqs.epa.gov/aqsweb/airdata/download_files.html#Annual>
2. Identify who your customer would be.
   1. Our customer would be someone who is about to move, or is just someone who would like to know the quality of the air that they are breathing in.
3. Describe the problem that the proposed project solves and justify its needs
   1. The problem that we are trying to solve with this would be the ability to show the people the air quality that they are breathing in, so they can stand up and make a change on the quality of air before it is too late to change it. This is needed because over the last 100 years as technology has advanced we are putting up more and more harmful chemicals into the air, and it is changing the quality of the air that we breathe.
4. State the product vision and how your web based project would be useful to society

For People who are concerned about the quality of the air

Who want to learn about their air quality, and ways they can correct it

Unlike the EPA

Our product will give the people the ability to check their air quality when they want, and look at the past years data,and see how fast it is changing. They will be able to take this information and make a better world from it.

1. Identify the major features of each of the proposed projects
   1. Will show a map of the united states
      1. Gives off the air quality measured in the counties that have provided that data
      2. Will be able to chec previous years back
   2. Will have information for the user to learn how to cut back on letting harmful chemicals into the air.

**Elijah’s Project Idea:**  An application which recommends a country to live in based on estimated road traffic death rate between 2013 and 2019. It will take a number of countries from the user (2+) and choose from the given countries.

1. List the source of and describe at least 1 potential data sets:
   1. Sourced from the WHO, using this data set: https://www.who.int/data/gho/data/indicators/indicator-details/GHO/estimated-road-traffic-death-rate-(per-100-000-population)
2. Identify who your customer/s would be:
   1. The customers would be individuals who are looking to move to a different country, and are concerned about potentially high levels of traffic accidents / lack of road safety.
3. Describe the problem that the proposed project solves and justify its need:**points)**
   1. This proposed project offers a tool for people who are worried about road safety and traffic fatality rates per capita
4. State the product vision and how your web based project would be useful to society (8 points)
5. Identify the major features of each of the proposed projects:
   1. The ability to enter / select a series of countries, and have the program respond with information on traffic fatality rates in each of them.
   2. Visuals / organization based on the data over time, comparing the different countries using mean, average, median, minimum, and maximum over a span of the last five years.
   3. Offer links to additional information about included countries.
   4. Other interactive elements?