Project Ideas

- **Space Visualizer by Vedo Systems:**
  - In this challenge, you will design a system that can be used to send a spacecraft to Mars.
  - All information and data can be found [here](#).

Resources

- **Mapbox** - Provide various resources on map-based applications.
  - Mapbox Docs - All
  - Navigation Docs
  - Vision SDK
  - Get access tokens to use any Mapbox service [here](#).
Datasets + Tools

- **Twitter REST API’s** - Provide programmatic access to read and write Twitter data.
- **Yelp** - 2.7M reviews and 649K tips by Yelp’s users and user businesses.
- **BestBuy Open Product Data** - Programmatic access to BestBuy’s product and store data.
- **The New York Times API’s** - Programmatic access to The New York Times’ content. It includes articles, books, events etc.
- **The Guardian API’s** - Programmatic access to The Guardian’s content.
- **GDELT Database** - Most comprehensive database of human society.
- **MIT Human Dynamics Lab Datasets** - Several mobile data sets that contain dynamics of several communities of about 100 people each.
- **Million Song Dataset** - Collection of audio features and metadata for a million contemporary popular music tracks
- **Google Books Ngram Dataset** - The dataset that used in Google Books Ngram Viewer.
- **International Cancer Genome Consortium** - Dataset that includes information about cancer patients and their genomes.
- **GeoNames Data** - Geographical database covers all countries and contains over eleven million place names.
- **NOAA Ocean CO2 Dataset** - More than 30 years worth of surface ocean CO2 observations.
- **NOAA Climate Datasets** - Datasets that are provided by NOAA on climate.
- **The Movie DB API** - Allows programmatic access to TMDb that includes information about movies, tv shows, actors and actresses.
- **US Patent Citation Network** - Consists of all the utility patents granted between January 1, 1963 and December 30, 1999. totaling 3,923,922 patents
- **HAZUS** - Consists of hazard data, boundary map data, and a proxy for the general building stock (GBS) in the continental United States, Hawaii and the U.S. held Territories.
- **ACT** - Test events dataset