1. Your visualization must include a **Python Flask-powered RESTful API**, **HTML/CSS**, JavaScript, **and at least one database (SQL, MongoDB, SQLite, etc.)**
   * Run Flask app - FLASK\_APP=app flask run
2. Your project should fall into **one** of the below **four** tracks: (1 of 4)
   * A custom “creative” D3.js project (i.e., a nonstandard graph or chart) **[Using SVG, binding to an SVG, etc.] (◘◘◘ We are using D3, jQuery, Mapbox, Kartograph ◘◘◘)**
   * A combination of **web scraping** and **Leaflet or Plotly**
   * A dashboard page with multiple charts that update from the same data
   * A “thick” server that performs multiple manipulations on data in a database prior to visualization (**MUST BE APPROVED**)
3. Your project should include at least **one JS library that we did not cover**
4. Your project must be powered by a data set with at least **100 records**
5. Your project must include some level of **user-driven interaction (e.g., menus, dropdowns, textboxes).**
6. Your final visualization should ideally include at least **three views.** (Three different visualizations on different sections of the data, three different pages, etc) (TODO **Map with layers, SVG with bar charts, ratings, lat/lons, etc.)**

**Day 1 (Today):**

**Between now and Saturday, you will need to start brainstorming topics with your group and researching potential datasets. Your focus should center around:**

* Selecting a topic
* Finding a data set
* Finding inspiration
* “sketching” your ideal visuals
* Creating a 1-page proposal

**Day 2:**

**You will need to create a 1-page proposal that includes:**

* A brief articulation of your chosen topic and rationale **(Why did you choose it?)**
* A link to your data set(s) and a screenshot of the metadata if it exists.
* 3 or 4 screenshots of relevant, “inspiring” visualizations that frame your creative fodder
* A sketch of the final design
* A link to the primary GitHub repository you’ll be housing your work in **(Heroku)**

**Day 3:**

**Project Work**

**TODO:**

**Kartograph Map**

**Mapbox map**

**Charts (Pie chart: percentage of whiskies per country, bar chart: top 10 ratings)**

**Non-Map Data**

Sports

Gaming

**Locational**

Amazon Logisitics (Local? Nationwide?)

<Insert Company/Store here> Expansion & Traffic information

Distillery information

Popular Surfing Locations