Last team…so provide nice transition into the afternoon…

Objective – create a visualization tool for selecting wines

* User can identify and select wine based on variety and price…
* User can see relative comparisons of the wines over range of prices versus the ratings in points
* Also can see what the trend is on vintage by year to see sweet spots for “good years”

(Wine Glass visual aid) Development Approach for the team was to break into the standard web model:

**INTRODUCE TEAM**

* Backend database with data access methods, - me
* frontend user interface, - **Claire WONG**
* application that read the data and presented to the frontend – **Carter Kioski**

Each of us will give a brief explanation of our work:

* (Bottle visual aid) for the Backend data source we identified Kaggle dataset that was being updates with wine ratings for the entire world.
  + Good news is it was very robust, but the bad news is way too much information
  + Filtered down by country to US, then to state, and selected California Restricted to Napa and Sonoma Valley
* Second issue – for mapping we needed addresses….the wine data listed wineries and specifics on the wines…but no addresses…
  + Where could we find addresses for people making alcoholic beverages: the government
  + The Alcohol and Tobacco Tax and Trade site listed by state, and for California actually had it down to each region
  + Build a googlemap api lookup to convert the address to GEO coordinates and then matched merged that to the wine list
* Finally, to support the front-end design for claires selector, built a summary table of the top 15 vines
* Created tables in Postgress, and added a Flask app to serve up JSONs via API

Turn over to Claire to walk through the Front End

(Claire Explain the carousel and the work to tune, the containers for the visualizations)

Claire turn over to Carter to walk through the Dashboard…