Design Sprint Day 2, Group 14

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1. Notes (Group)

Look at all of the artifacts and documents that have been created so far. What is the goal of the app? What are the features of the app?

- The goal of the app is to organize a large collection of data and allow it to be filtered, visualized, and analyzed. Specifically, the app simplifies and presents visually a complex concept: currency conversion. The idea is to take something that is mentally difficult to compute (currency conversion) and make it accessible to most users through a few clicks or taps. By using the app, the user should be able to convert currencies quickly and to visually understand how the value of currencies change over time with respect to a user selected benchmark currency.

- This app features a website in which visuals are displayed, as well as coding that creates graphs, makes calculations, and organizes data from the large data set. The primary features are:
    - User selectable currencies for comparison
    - The ability to compare multiple currencies at the same time
    - A visual iconographic representation of each currency so that the user can easily distinguish between them
    - Graphical representation of time-series data to help the user understand how currencies have moved over time
    - User-selectable timeframes for time-series analysis
    - User preference settings for default currency and color scheme
    - A responsive design that works on multiple platforms: mobile phones, tablets, and desktop computers.

2. Ideas (Group)

Identify top non-intuitive features from the feature list and assign each to at least two members. An intuitive interface would be a login interface. An example of a non-intuitive interface would be an interface that uses visualization to achieve a feature. E.g. in a car sharing app how would you visualize the available vehicles to users.

- Website(HTML, CSS, JavaScript):
  - Responsive design that adapts to multiple device types.
    - Scott

- Conversion Function(s):
  - Display multiple currency conversions at the same time
    - Scott
    - Ben

- Graph Creation Function(s):
  - Identify ideal way to display time-series data
    - Ben

- Chart Creation Function(s):
  - Select specific timeframes for time-series analysis
    - Scott

- Function(s) to Import Data and How the Data Set Will Be Organized:
  - How to import historical data and how to import real time data
    - I think the point of this exercise is to experiment with visual representations of a feature. I'm not sure this feature will end up on the interface, but if anyone has ideas, put them out there.
    - Ben