Kathryn Sarullo
Shayan Monadjemi
Saulet Yskak

Milestone 1: Patterns at GAStech

For our project, we will be creating a Github Page using html, css, javascript and d3.

For our visualization tool, we want to create a webpage with a few different views.

1) Map of Kronos

   We want to create an interactive map of Kronos.

   Displayed on the map will be a common daily routine of all employees where the color of the lines will depend on the number of people who take that route (green for light traffic, red for heavy traffic).

   When you click on a location, the following data will be available to you in a sidebar menu or tooltip:
   - Transactions made
   - Bar chart of time vs popularity (most popular times to visit)

   When you filter the map, via the sidebar menu, all the information shown will be specific to that person.

2) Sidebar menu

   The sidebar menu will have a few tabs.

   The first tab will allow users to filter by name which will:
   - Show a common routine for that person
   - Show only transactions made by that person
   - Show bar charts of most popular visit times for that person

   The second tab is the aggregate views (or we may change this to tooltips) showing the bar graphs and transaction information.

Schedule:

Within the next week, we will do the following:

1) Create the map of Kronos and add latitude and longitude axis (Shayan)
2) Add sidebar menu (Shayan)
3) Grab transaction information per place to display (Kathryn)

4) Create bar chart of popular times to visit (Kathryn)
5) Dropdown menu for each person (Saulet)
6) Use GPS locations to find general routine (Saulet)

Next steps include:

1) Add click boxes around locations
2) Find per person general routine
3) Possibly add Sankey diagram to display patterns?

Sketches:

tab1 | .. | . | tabn

Map of Kronos

tab 1:

Filters

Employee:

Time/Date:

tab 2:

Aggregate Views

Finished

t

List of transactions