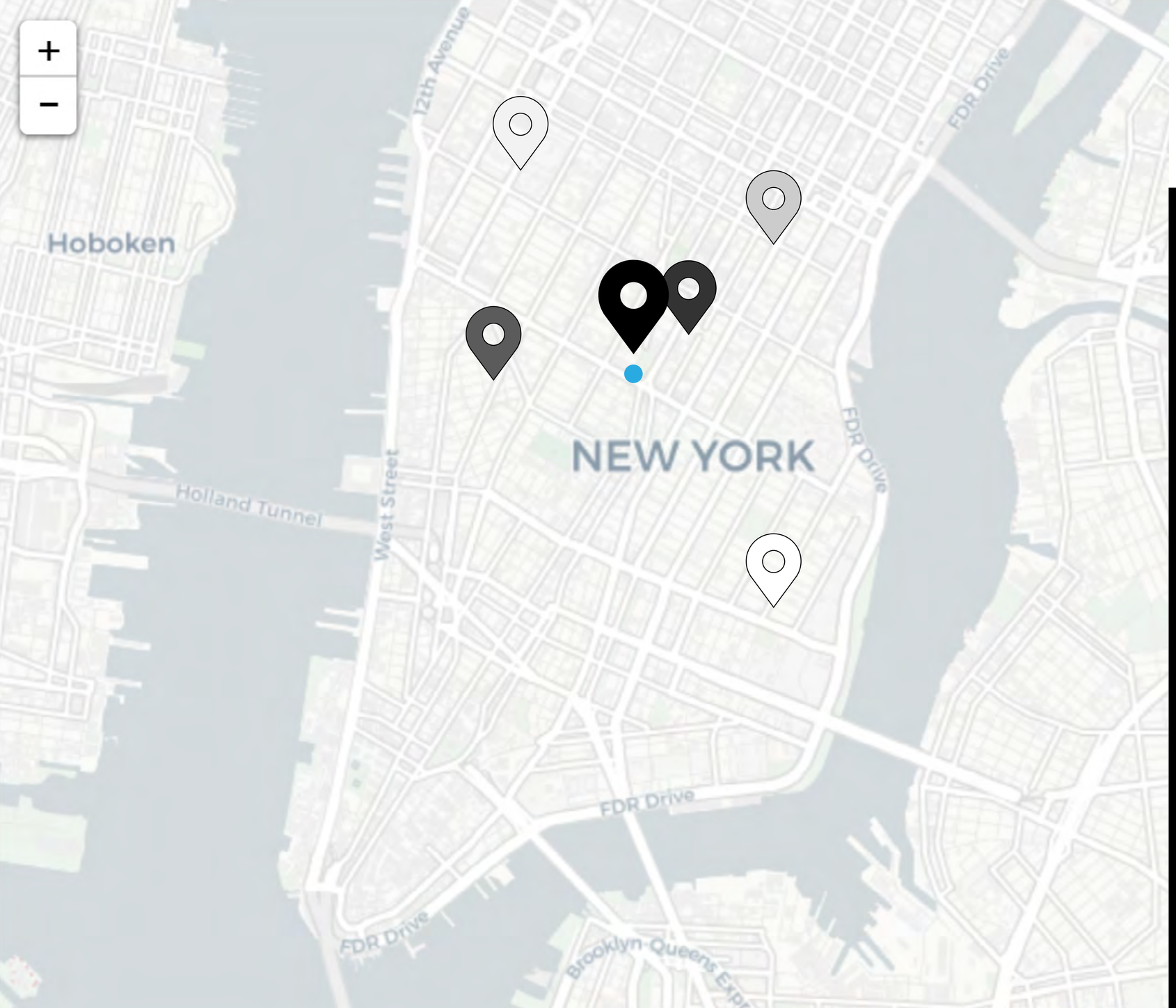
Data Structures

Final Assignment Mockups

Nic Stark

Fall ‘18



AA MEETINGS

Type your address here

BREAKFAST CLUB

30 East 35th Street,
(Betw Madison & Park Avenues) NY 10016

All meetings are Round Robin format except Thursday.
Tue=Alternating Step/Trad.

Ttuesdays From 7:30 AM to 8:30 AM
Meeting Type **S = Step meeting**

Wednesdays From 7:30 AM to 8:30 AM
Meeting Type **OD = Open Discussion meeting**

Thursdays From 7:30 AM to 8:30 AM
Meeting Type **O = Open meeting**

Fridays From 7:30 AM to 8:30 AM
Meeting Type **OD = Open Discussion meeting**

Mondays From 7:30 AM to 8:30 AM
Meeting Type **OD = Open Discussion meeting**

CLOSEST FARTHEST

- *What will the visualization look like? Will it be interactive? If so, how?*
  The visualization will be a map with a sidebar that displays meeting information. The location markers are value coded to show the relative distance to the inputted address or geolocation of the user. The map will be able to pan and zoom, the location markers are selectable to show more meeting info in the sidebar.

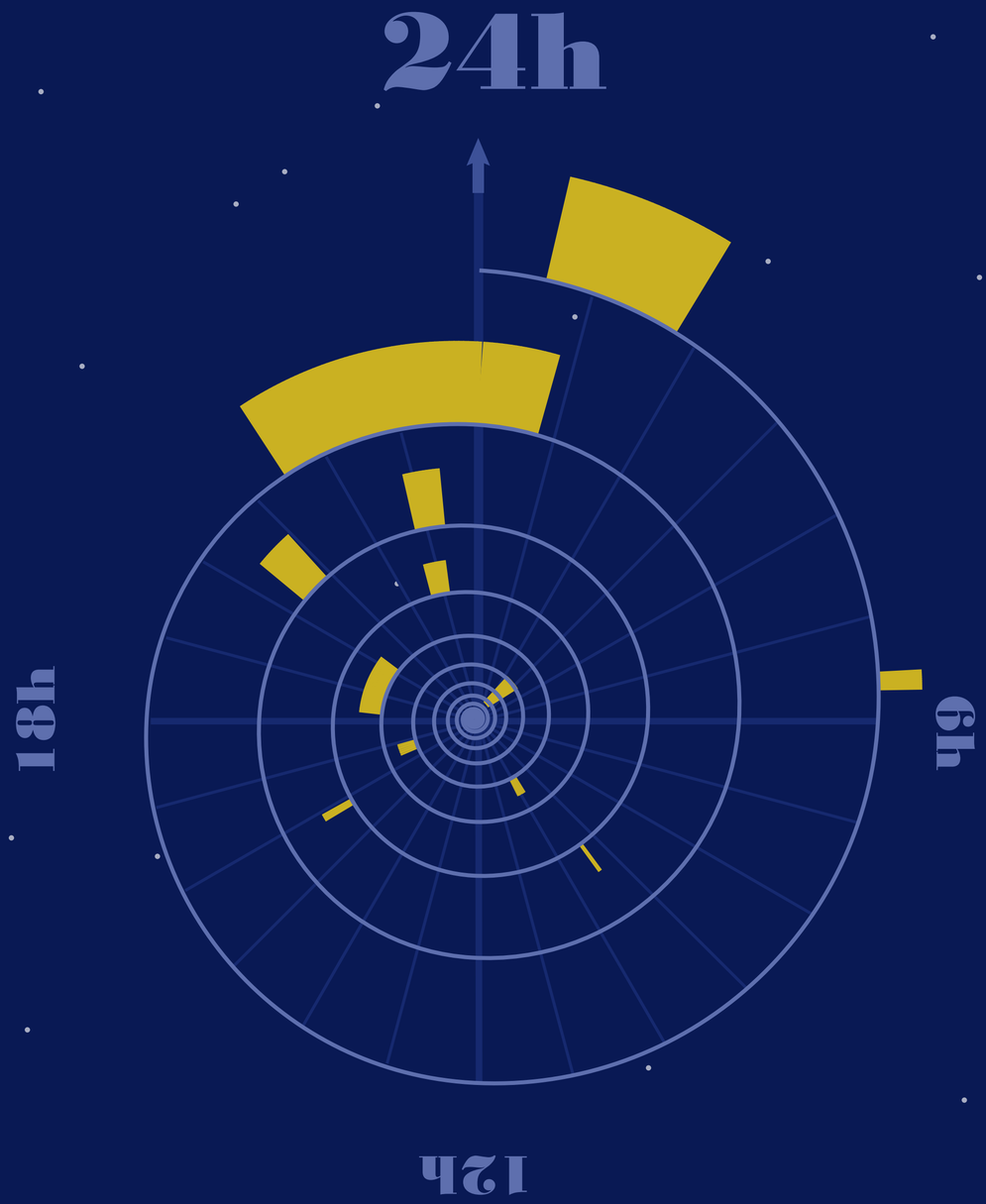
- *How will the data need to be mapped to the visual elements?*
  The users location will need to be measured from the closest meetings and then assigned a brightness value to encode in the location marker.

- *For that mapping, what needs to be done to the data? Be specific and clear. Will it require filtering, aggregation, restructuring, and/or something else? How will this be done?*
  Each of the meeting locations will need to be measured against the input location and sorted. Then the 10 closest will be mapped and the closest will populate the sidebar with information.

- *What is the default view (if any)?*
  Overview of the city with all locations mapped.

- *What assumptions are you making about the user?*
  They care most about location and not time or meeting type, wheelchair accessibility, etc.

Denotes time when bedside light was on.



- *What will the visualization look like? Will it be interactive? If so, how?*
  The visualization will be spiral graph with bars showing the timings and duration of the bedside lamp being on. On hover bars will display text below the title detailing the time and date the lamp was turned on and for how long.

- *How will the data need to be mapped to the visual elements?*
  If the sensor value is above a threshold the time data will need to be mapped onto the spiral timeline, there are D3 examples of this I can use.

- *For that mapping, what needs to be done to the data? Be specific and clear. Will it require filtering, aggregation, restructuring, and/or something else? How will this be done?*
  The sensor data will need to be cleaned as the Particle misread the sensor for some periods of time. Then a simple if statement will filter out entries where the value is below a certain threshold (where the light was off), the remaining entries will be mapped.

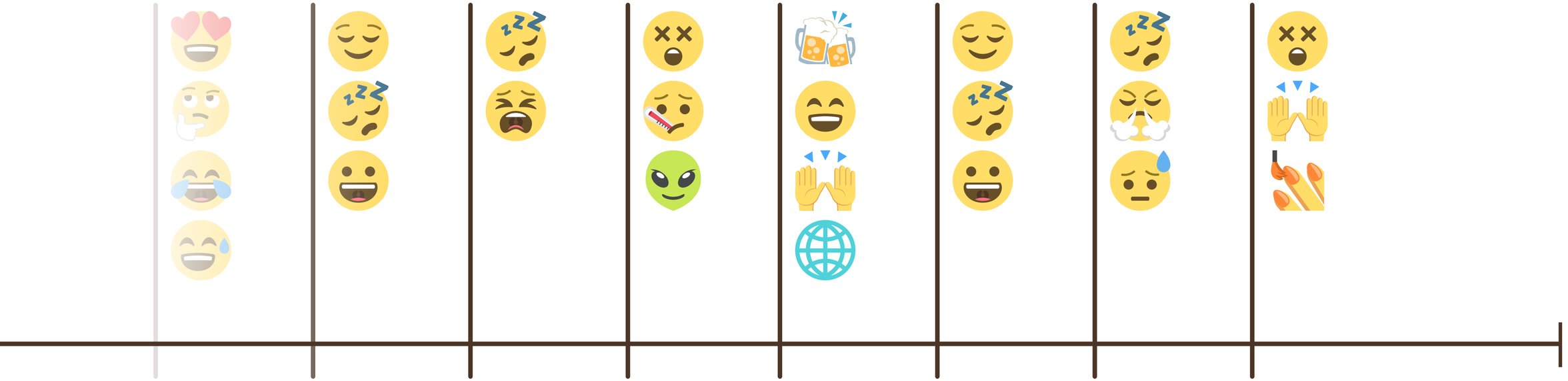
- *What is the default view (if any)?*
  Just one view showing the current day and previous days further down the spiral.

- *What assumptions are you making about the user?*
  They care about my sleeping habits. They will comprehend the spiral as a timeline.

ON **SATURDAY NOVEMBER 24**

NIC WAS FEELING:

DRUNK HAPPY FULLFILLED CONNECTED



TUESDAY 11/20/18	WEDNESDAY 11/21/18	THURSDAY 11/22/18	FRIDAY 11/23/18	SATURDAY 11/24/18	SUNDAY 11/25/18	MONDAY 11/26/18	TUESDAY 11/27/18

- *What will the visualization look like? Will it be interactive? If so, how?*
  The visualization will be horizontal timeline showing the emotions recorded on that day as emoji. Users can hover over a date to see an explanation of the emojis.

- *How will the data need to be mapped to the visual elements?*
  Each entry will need to have it's values read and mapped to an emoji character.

- *For that mapping, what needs to be done to the data? Be specific and clear. Will it require filtering, aggregation, restructuring, and/or something else? How will this be done?*
  The date value needs to be read and mapped onto the timeline. A code of emotions to emoji UNICODE characters will need to be created for each emotion value.

- *What is the default view (if any)?*
  Showing the end of the timeline through which the user can scroll backwards in time. No dates selected.

- *What assumptions are you making about the user?*
  They will know to hover over the date.

Thanks

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