

Project 2 status report 2

TA Mentor: James Chen (jzc24)

Team Members: Jiangjie Man (jm2559), Rou Qu (rq44), Xiuyan Xin (xx254)

Tasks completed since previous status report

Jiangjie Man (jm2559)

- Looked deeply into the dataset and understood the data
- Explored other potential ways of better visualizing the data

Rou Qu (rq44)

- Researched what others have done before
- Brainstormed ideas and got insights from the current design space
- Created 3 sketches for our idea - SF bay area bike share. All of them are related to Bay Area Map

Area Map

- Real time data visualization
 - Every dot on the map represents a single bike trip
 - Time is updating
 - Show active riders
 - Click the dot to see more details behind the trip
- Track the trip route and weather in different time
 - A slider filters trips in specific time
 - Every dot on the map represents a station
 - Line between start station to end station represents trip
 - Weather bar chart (wind, cloud and temperature) in different dates
 - Weather bar chart is responsive to the map
- See the bike available in different stations
 - Every dot on the map represents a station
 - Click each dot to see the trend of bike available in different stations

Xiuyan Xin (xx254)

- Looked into the data and derived the important features
- Created 4 sketches of the idea based on the data selected in last meeting and uploaded in google drive

Tasks to be completed by the next status report

Jiangjie Man (jm2559)

- Clean the data if needed
- Try to come up with the example plot by the end of next weekend
- Start the basic html for the web page

Rou Qu (rq44)

- Separate the work
- Create a draft html for our final design
- Organize the data

Xiuyan Xin (xx254)

- Agree on a design with teammates
- Divide the coding work and start coding

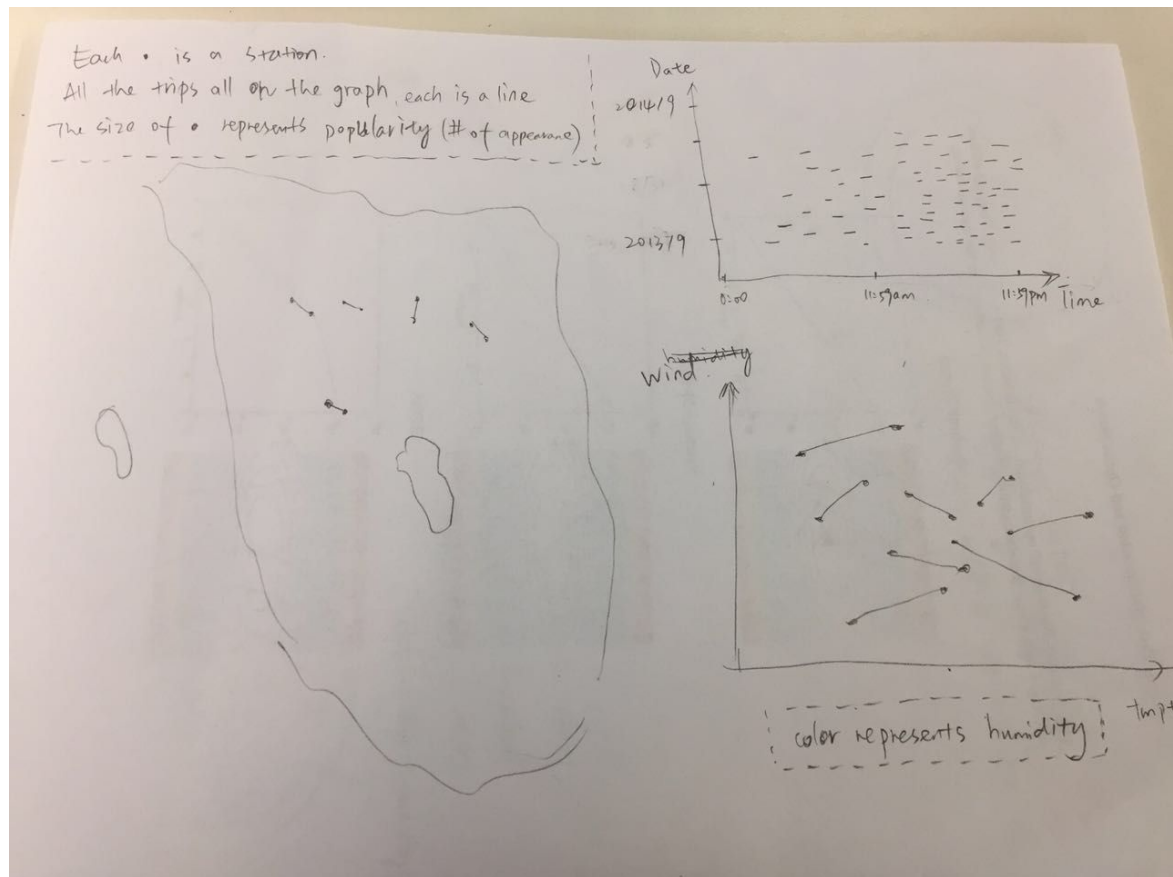
Discussion

Today, we met together and went over several great examples related to our project. All of us thought the real time data visualization is pretty cool. Also, we shared our storyboards and sketches of interactions to the group.

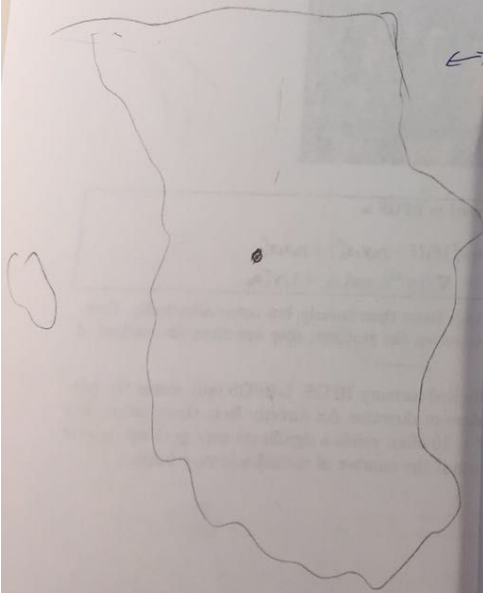
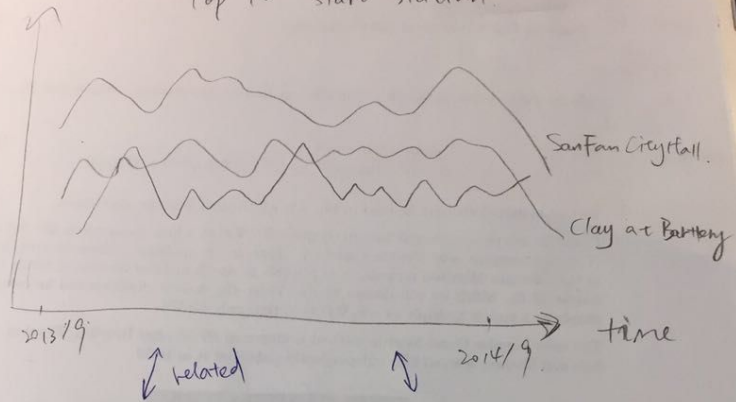
Responsibility to Accomplish for next meeting

- Confirm a design idea
- Organize collected data
- Divide the coding work

Hand-drawn Storyboard



Top 10 start station

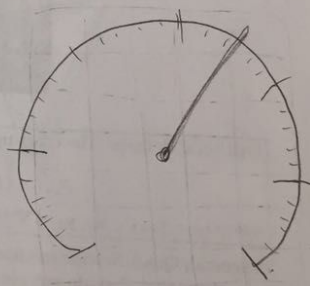
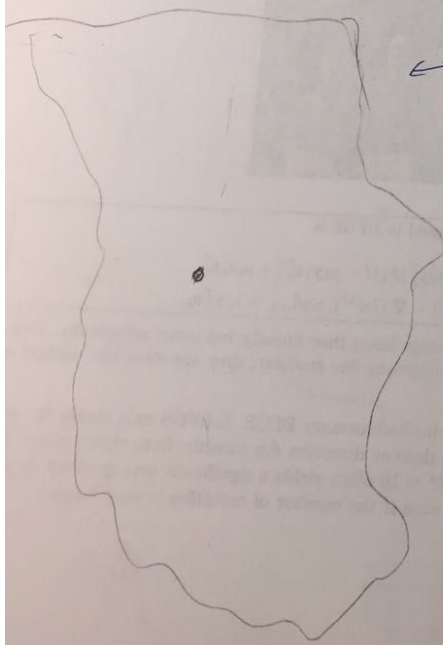
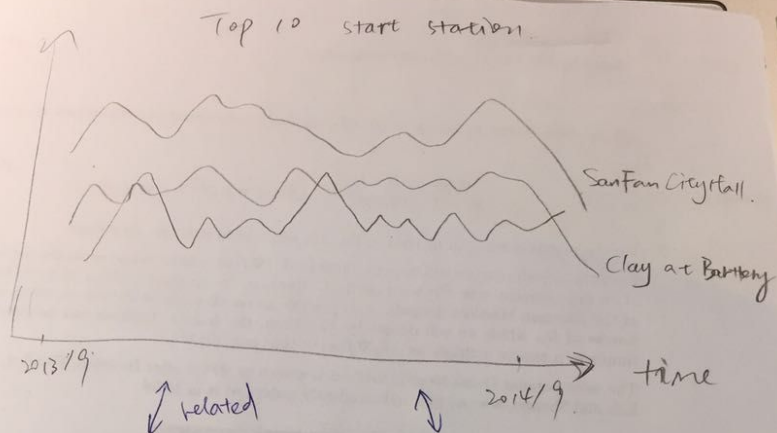


dynamic ~~me~~ water

color - temperature

frequency - wind

height - sea-level
pressure



Swing between the lowest
and highest temperature
the frequency reflects
level of wind

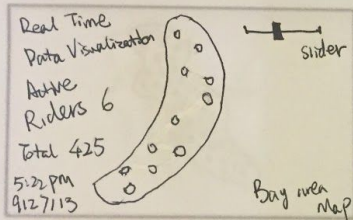
Bay Area Bike Share Map

Each dot represents a trip

Real time Data visualization

Active riders 6

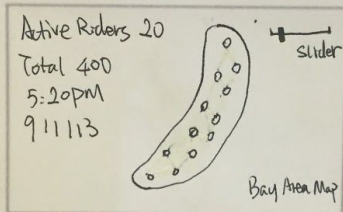
Total 425 5:22PM 9/27/13



Change the slider

Active riders 20

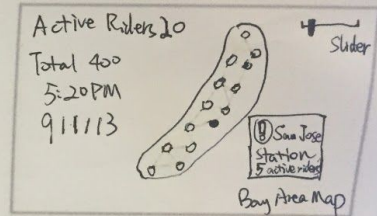
Total 400 5:20PM 9/11/13



Click the Dot

Station Information

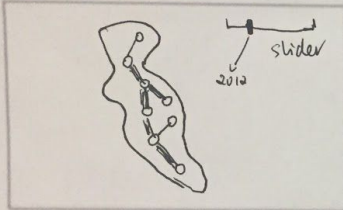
5 active riders



SF Bay Area Bike Share

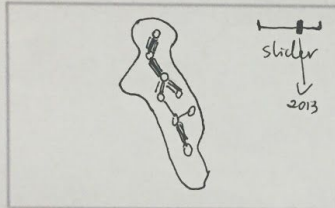
2012

Each dot represents a station
Line represents trip (Start
Station to end station)

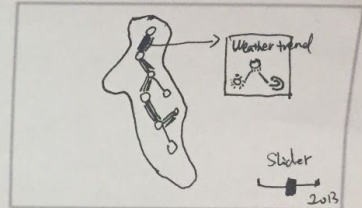


2013

change the slider
See the popular trip



click the dot line
to see weather info



SF Bay Area Bike Share

Every dot on the map
represents a station

click the dot to see
bike available

