

Name: Peng Ye, Anna, Shen Chen Team: Group 18 Sprint#: 2 Date: 04.12

1. Summary in the Sprint2

- 1) Corrected the mistakes we made during sprint1, re-designed and re-constructed the web application, re-wrote plan including writing new documents.
- 2) Assigned some individual tasks and finished most of them.
- 3) Regular daily scrum meeting at 9:00-9:15 pm every day.

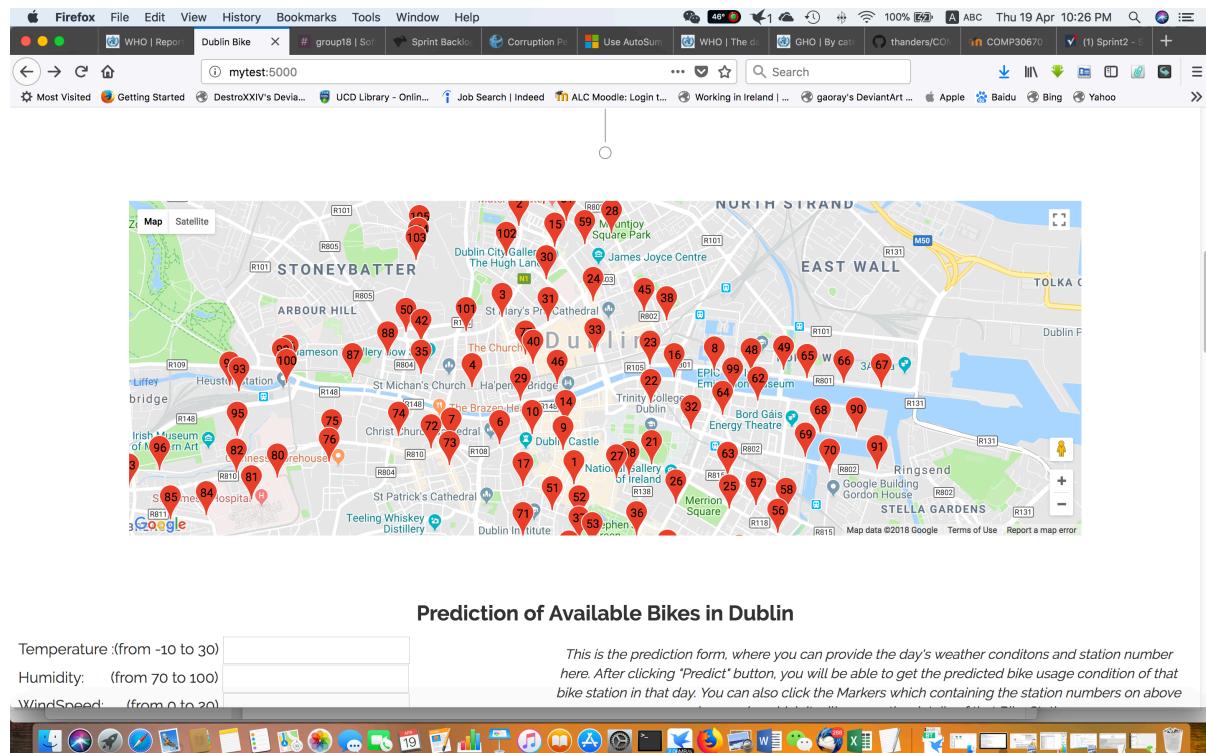
2. How many tasks we have finished?

So far, we finished about 70% tasks of the project, including revised proposals.

1). Project plan and design

We took 4 days working on the project plan and the design, including the project requirement, features, technology issues and wrote 2 documents on this.

2) Add markers on bike station locations (Shen Chen & Peng Ye)



- 3) Add banking, bonus and status (Shen Chen & Peng Ye)

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Map Satellite

Station no. 31

Full address: Parnell Street
Available bikes: 2
Free stands: 18
Total capacity: 20
Banking: false
Bonus: false
Status: OPEN

Temperature (from -10 to 30)
Humidity: (from 70 to 100)

This is the prediction form, where you can provide the day's weather conditions and station number here. After clicking "Predict" button, you will be able to get the predicted bike usage condition of that bike station in that day. You can also click the Markers which containing the station numbers on above.

Prediction of Available Bikes in Dublin

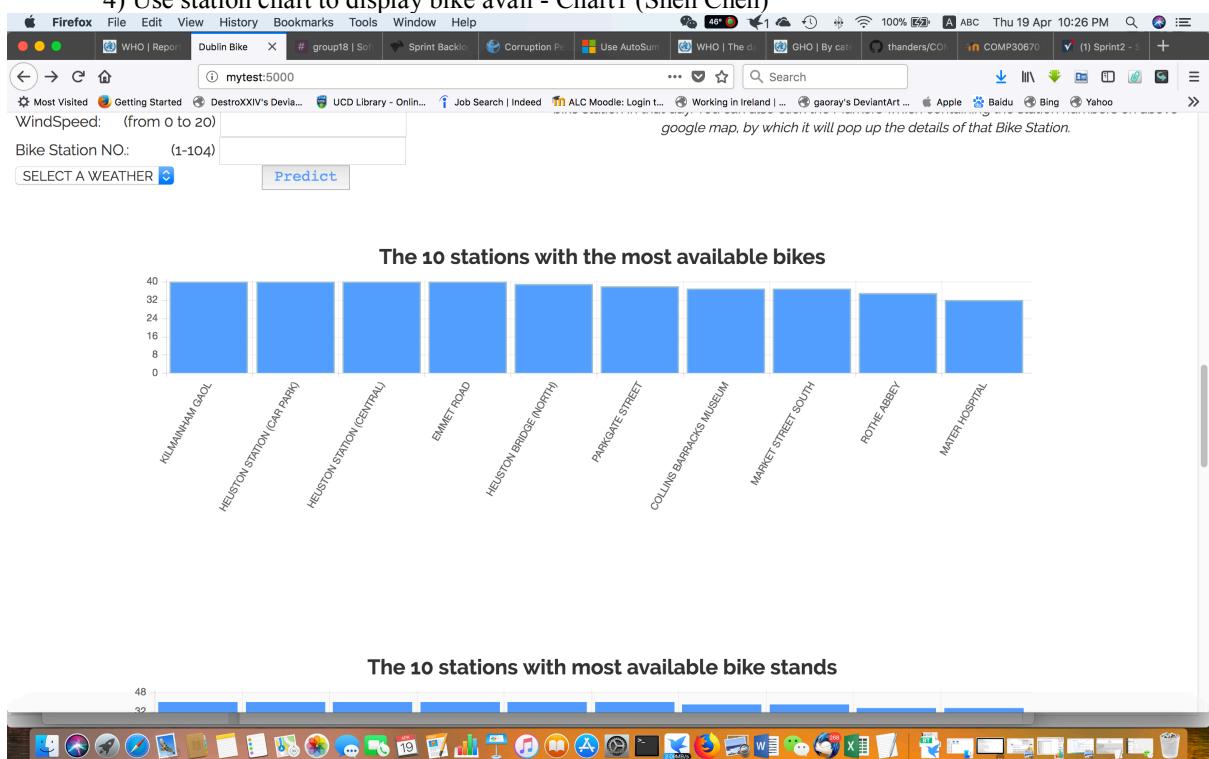
Temperature (from -10 to 30)
Humidity: (from 70 to 100)

WindSpeed: (from 0 to 20)
Bike Station NO: (1-104)

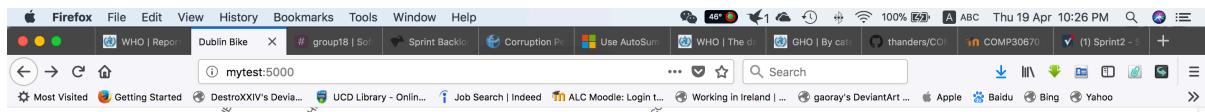
SELECT A WEATHER Predict

Map data ©2019 Google Terms of Use Report a map error

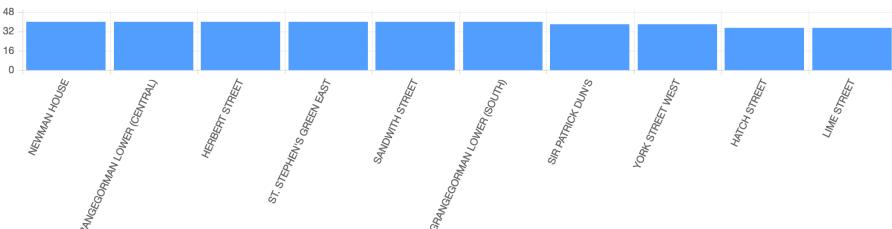
4) Use station chart to display bike avail - Chart1 (Shen Chen)



5) Use station chart to display return avail - Chart2 (Shen Chen)



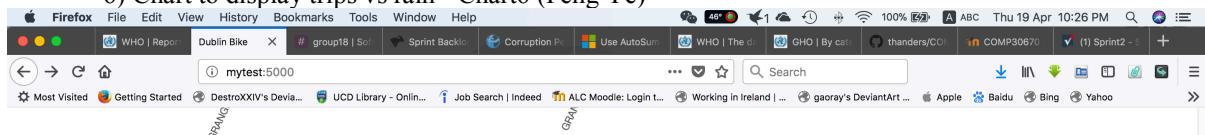
The 10 stations with most available bike stands



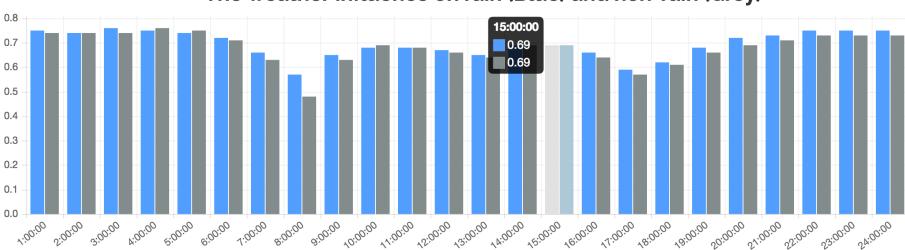
The weather influence on rain (Blue) and non-rain (Grey)



6) Chart to display trips vs rain - Chart6 (Peng Ye)



The weather influence on rain (Blue) and non-rain (Grey)



Weather Information



3. How many tasks to be finished in next Sprint3?

- 1) Tasks on Data Science/Analytic part
- 2) Integration work combine all subtask into one single web application.
- 3) Web application testing
- 4) Collect and complete all documents of the project

4. Issues occurred in Sprint2

- 1) We cannot focus on this project with our full attentions due to other unfinished assignments and ongoing classes
- 2) We rarely worked together at the same time and we didn't talk about the technical details a lot during daily scrum meeting, in which we cannot get to know the exact details from others in time.
- 3) Due to some unknown reasons, Chart4 (Assigned to Anna) was not finished in Sprint2. She said that it could be finished in Sprint3.

5. What could be improved?

- 1) Need more efficient working on the individual tasks
- 2) Need more effective communications during daily scrum meeting
- 3) Need everyone to pay more efforts on working coordination but not working personally

6. Others

As per Professor Lawlor's suggestion, we need to work closely together focusing on one or few tasks during the next Sprint3 period. That is the major practical project process which we need to improve on the Project Organizing.