Table 1

User Story	Backlog Item	Sprint #	Responsible	Status		
	Get an API key from Open Weather	1	DF			
As a user,	Get JSON data from Open Weather	1	DF			
I can view	Understanding the structure of JSON data	1	DF			
weather data	Basic HTML page to display JSON data as a table	1	DF			
	Basic CSS to display JSON data as a table	1	DF			
	Javascript that reads JSON data into HTML page as a table	1	DF			
	Python script running continuously and fetching data	1	DF			
	Get an API key from Dublin Bikes	1	SW			
As a user,	Get JSON data from Dublin Bikes	1	SW			
I can view	Understanding the structure of JSON data using www.jsoneditoronline.org/	1	SW			
bike data	Basic HTML page to display JSON data as a table	1	SW			
	Basic CSS to display JSON data as a table	1	SW			
	Javascript that reads JSON data into HTML page as a table	1	SW			
	Python script to get JSON file using API and save to a folder with time stamp	1	SW			
As a user,	Displaying Google Maps on main HTML page	1	WD			
I can view weather &	Displaying icons on Google Maps	1	WD			
bike data on a map	Providing links for the Google Maps icons	1	WD			
	Building the main HTML page for use in the project	1	WD			
As a user,	Building the main CSS for use in the project	1	WD			
I can access weather	Integrating javascripts provided from other members - weather and bikes	1	WD			
and bike data	Reading documentation on Flask and learning to use Flask for the project	1	LK			
in a web application	Teaching other team members Flask	1	LK			
	Working with scripts provided for gathering JSON data for bikes and weather on Flask	1	LK			
	Working with JSON files on Flask	1	LK			
	Working with main web page on Flask	1	LK			
	look at user interactions - what does the user see first, then what happens when user clicks on station, and drop down for time frame. We can go up to 15 minutes fine grain, but do we want to, eg shall we keep it hourly….	Next				
	User will see availability chart and a weather chart for that time.	Next				
	For weather, what items to we display and to level of detail. And the format of output, eg chart. Suggestion: make a table with temp max min, weather main, and wind speed.	Next				
	For the bikes, stands, availability in the form of a table.	Next				
	Divs for statistics: summary bike availability default, and then it changes to the specific station data and time when the user clicks on the map.	Next				
High Priority	Database - set up database and connect Flask. Use python to implement SQL. In the DB two tables, with identical time stamp: weather and bikes.	Next				
User wants data displayed	Design and implement database Schema	3	LK	done		
User wants data displayed	Populate database with weather and bike data	3	DF/SW	done		
User wants selected data (daily/ hourly forecasts)	Design and write SQL Queries	3	LK			
User wants data displayed	Rewrite Flask App to fetch data from DB and send to browser	3	LK			
User wants overview quickly and in graphical format	Display statistics in Browser:	3	all/tbd			
user wants weather forecast	Display weather information per station: per day (Mon-Sun) and last update	3	all/tbd			
user wants basic station info	Display basic static Station Info on map (table)	3	all/tbd			
user wants estimate of typical average bike usage	Display graphs: usage of bikes per day (Mon-Sun) and per hour	3	all/tbd			
user wants availability overview	Display occupancy information of stations (heat map) using latest data from db	3	WD			

Sprint	From	To
1	13/03/2017	26/03/2017
2	27/03/2017	7/4/17
3	10/4	23/4/17