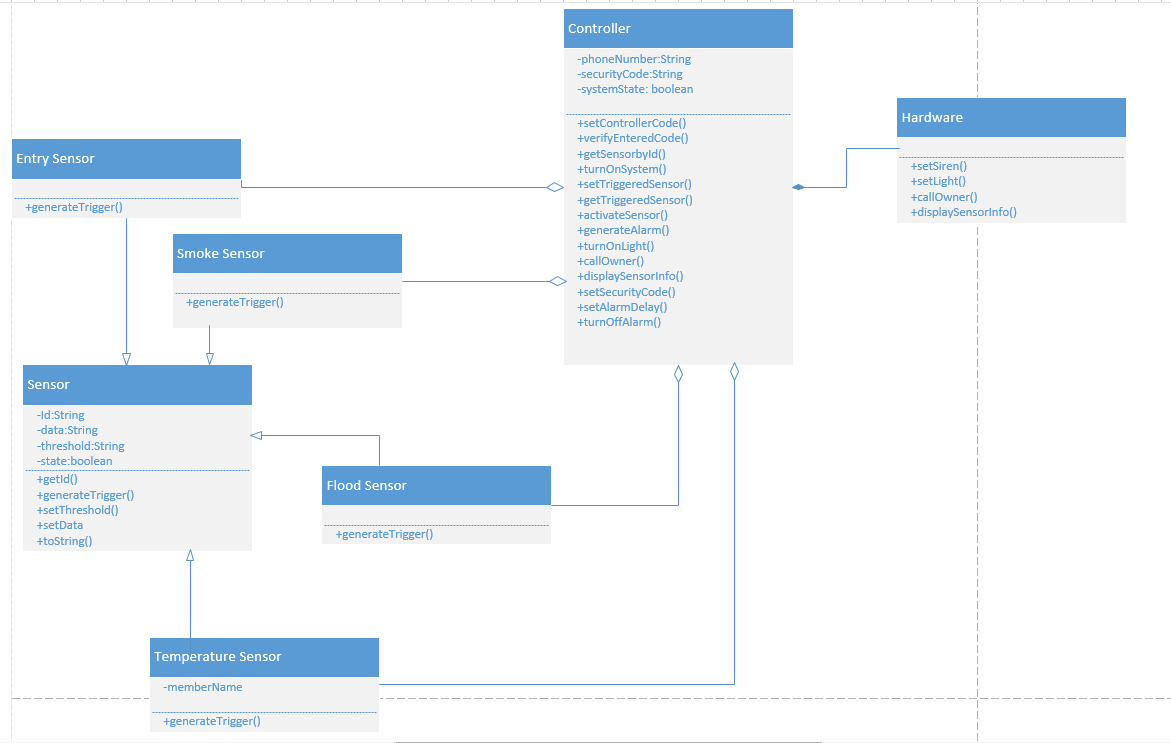
**Lab-1 Report**

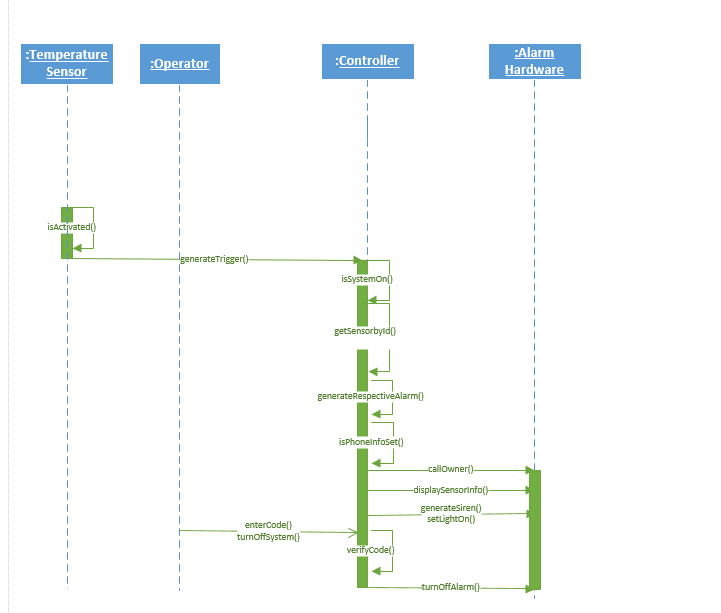
1) Design the Class Diagram/Sequence Diagram using Visio for the InClass Exercise .

Class Diagram



* There is an inheritance relationship between the base class Sensor and the various sensors.
* Sensor is the base Class from which Temperature, Smoke,Flood and Entry Sensors classes have been derived since they all share the same functionality.
* Each sensor has attributes sensor id, sensed data, set threshold and state of the sensor which they derived from the base class Sensor.
* Each sensor has operation to get Id , set threshold etc which are common for all sensors.
* The sensors override generate trigger method which performs computation based on sensed data and threshold and generate a trigger for the controller.
* The Controller class maintains attributes security code,contact info,state of the system.
* All these attributes and sensor properties can be set by the operator using the methods provided in the controller class.
* The controller gets the sensor information using the id provided during trigger and triggers respective alarms.
* There is a composition relation between the controller and the hardware system.

Class Sequence Diagram



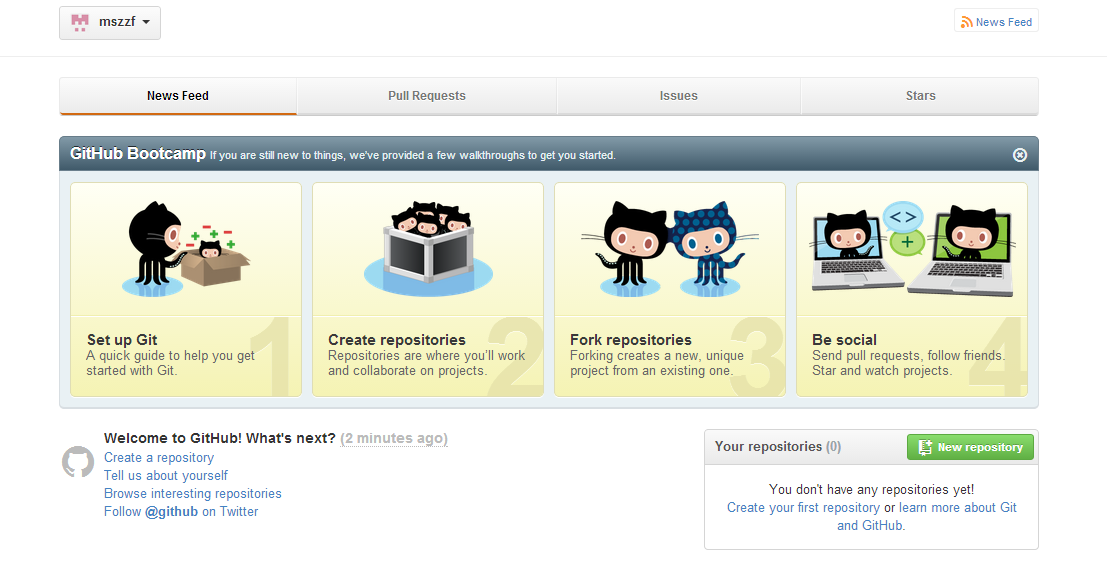
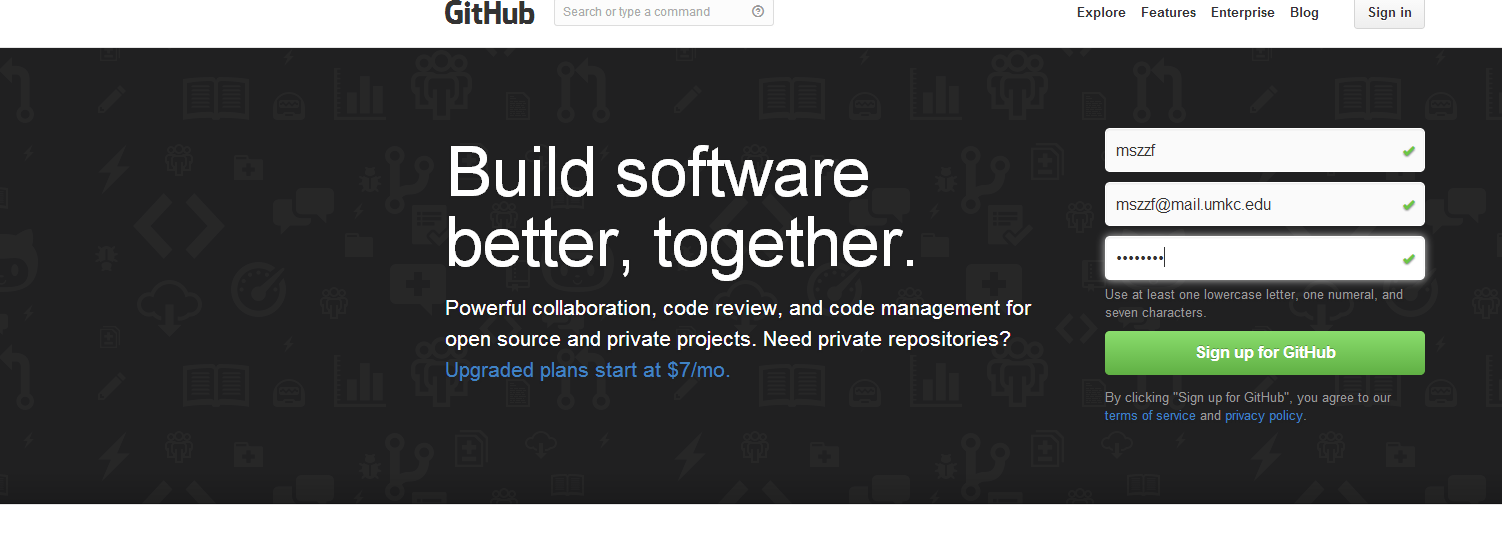
GitHub id: mszzf

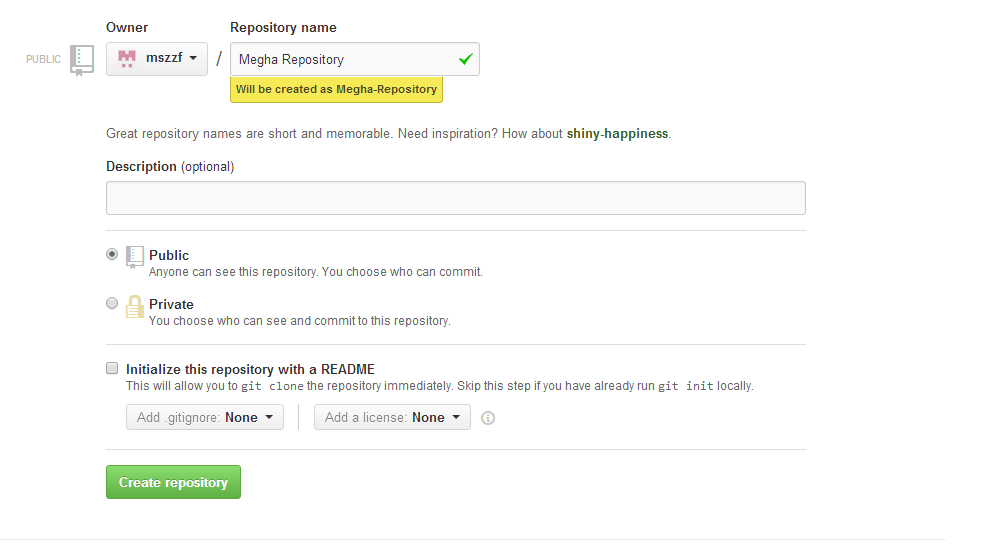
Sap$2010

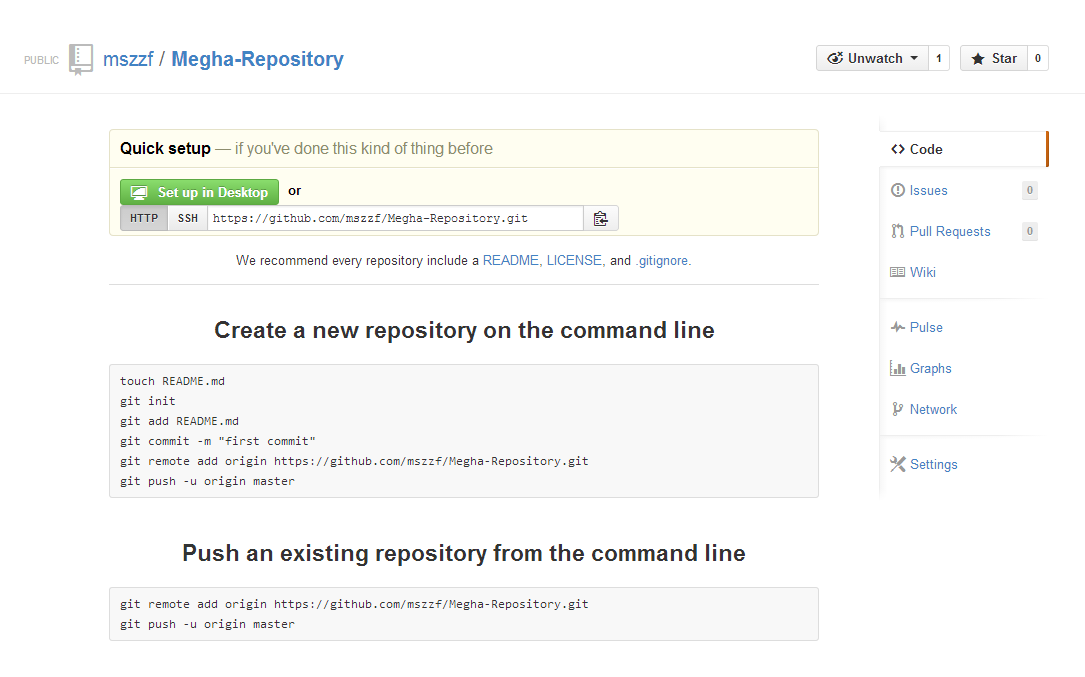
ScrumDo Id: mszzf

2) Create a GitHub account and post GitHub ID to the Lab 1 site.

Create GitHub Account

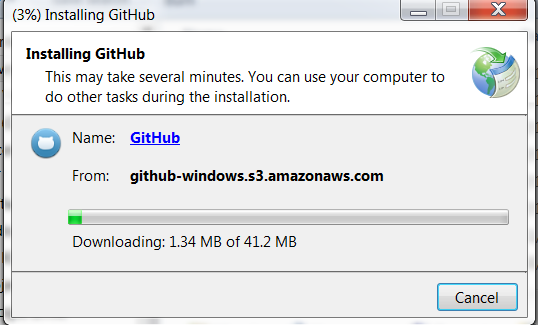


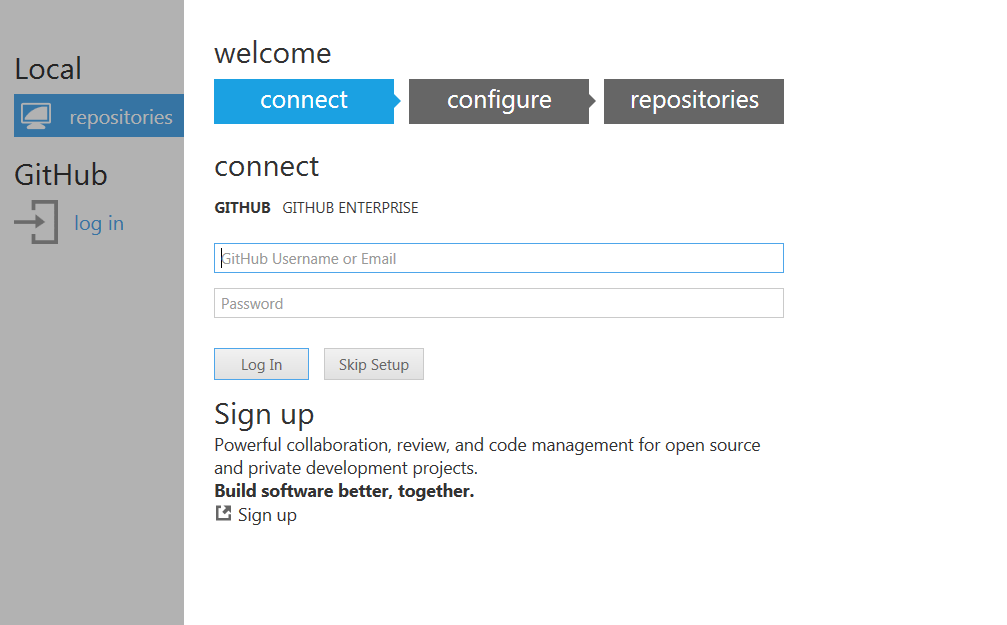
Create Repository in Remote GitHub 

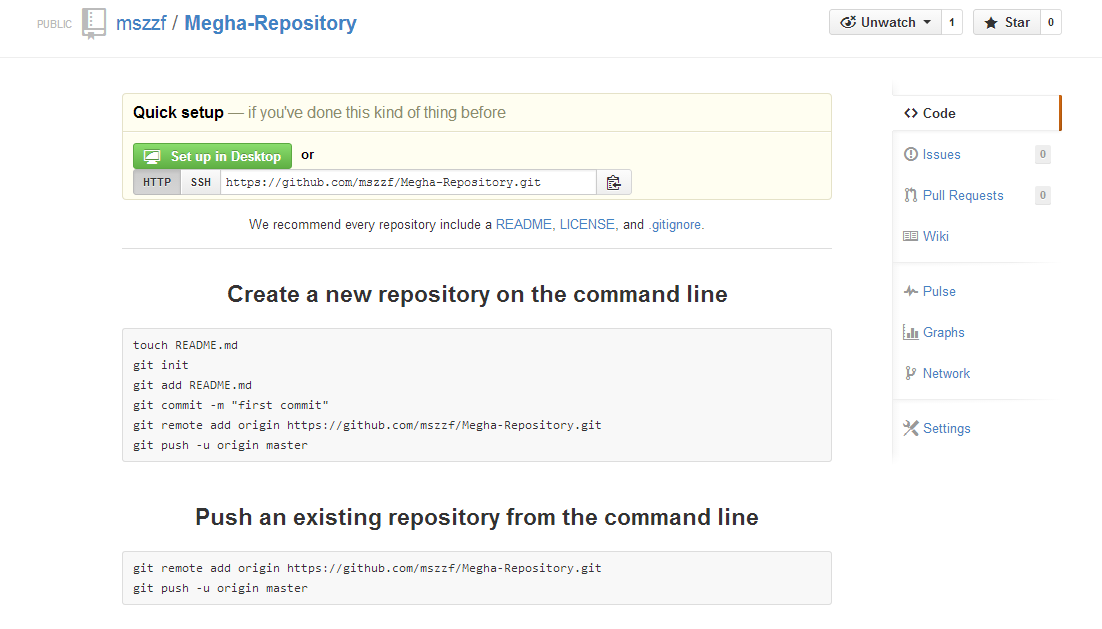


Install GitHub on local machine

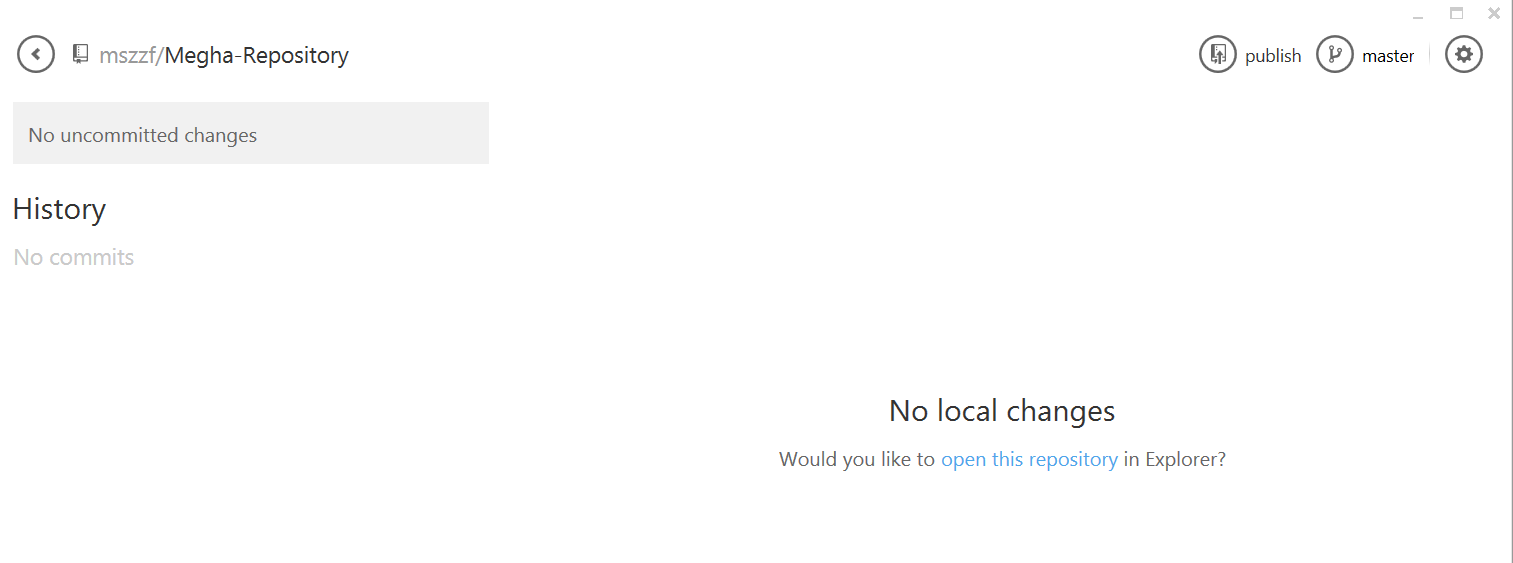




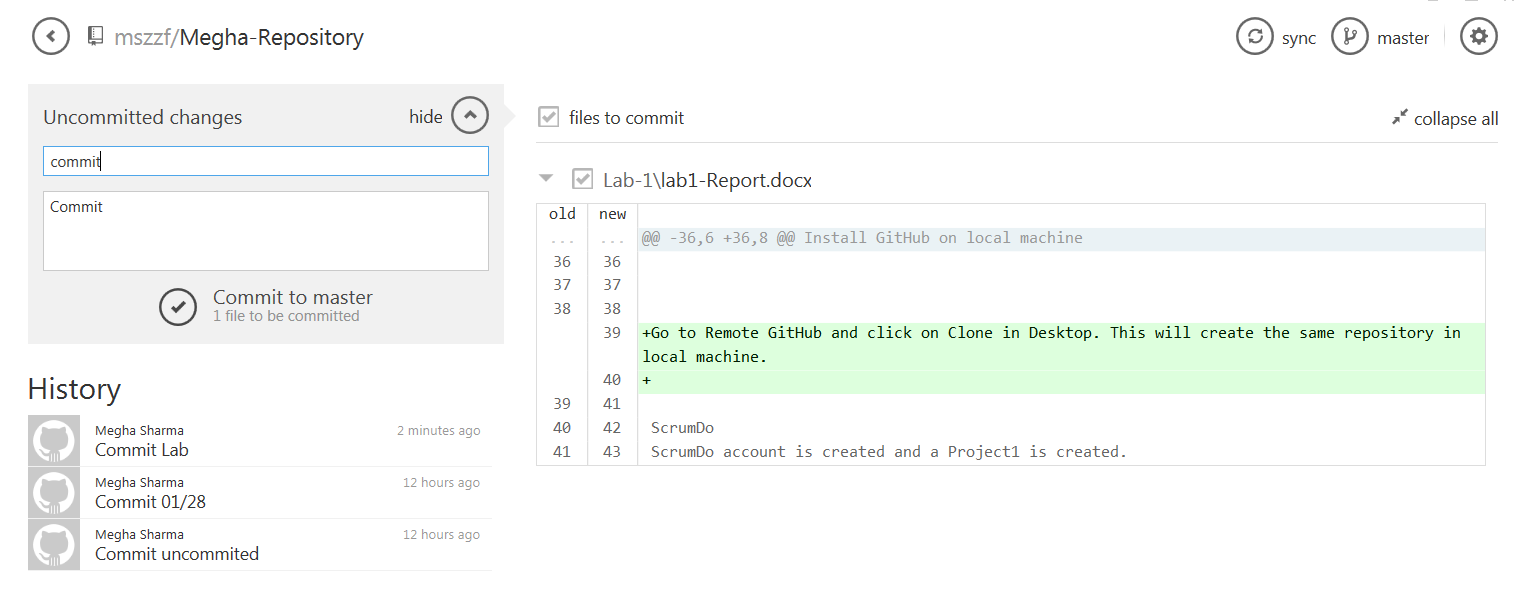




Go to Remote GitHub and click on Clone in Desktop. This will create the same repository in local machine.

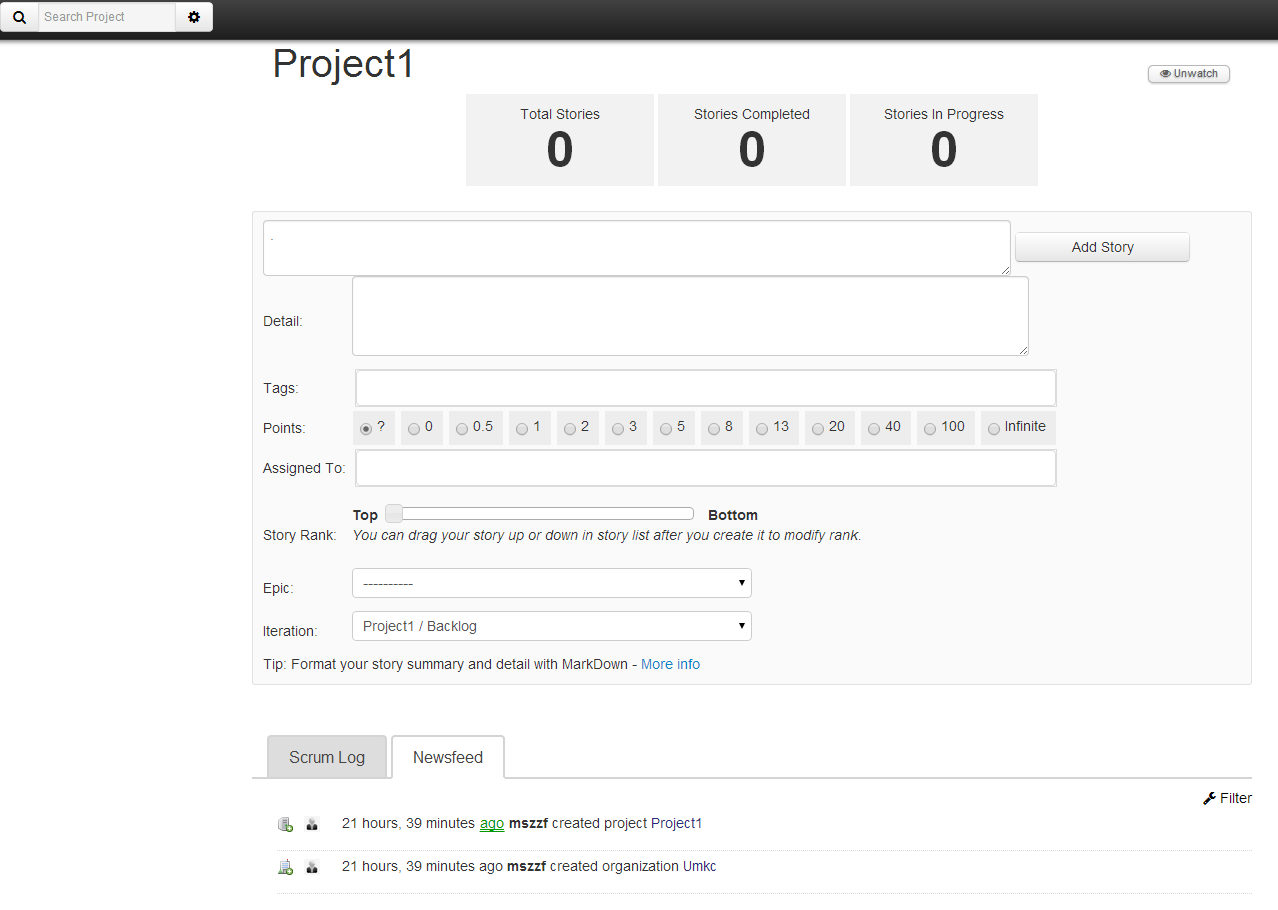


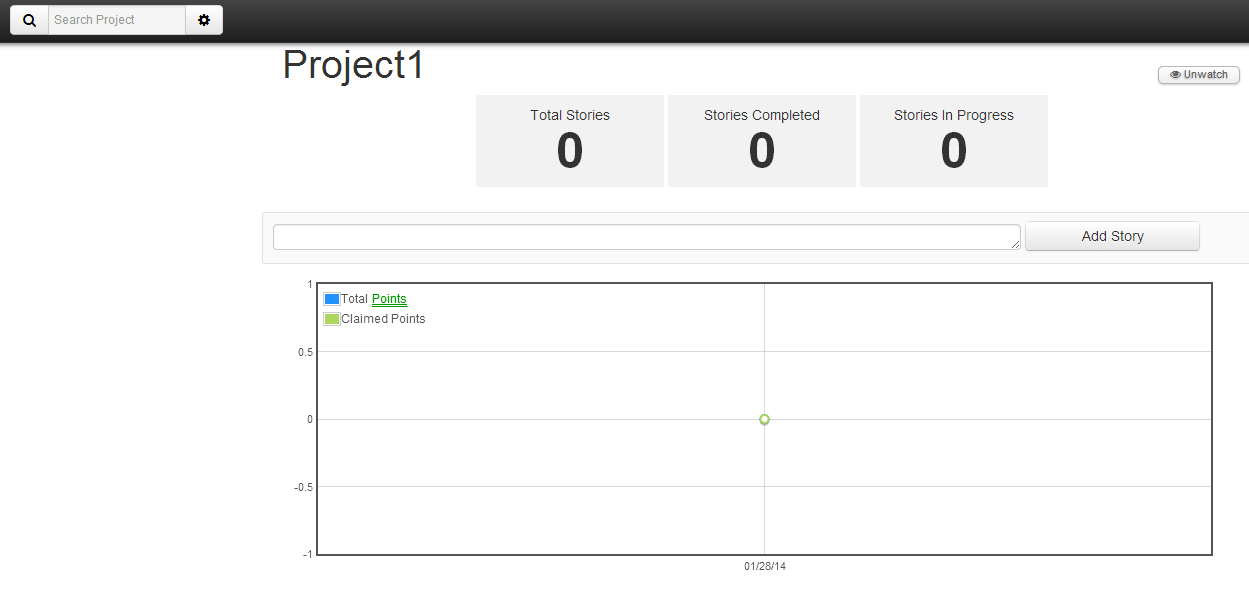
After making changes in the file on Desktop, go to the GitHub desktop application and Commit the changes.



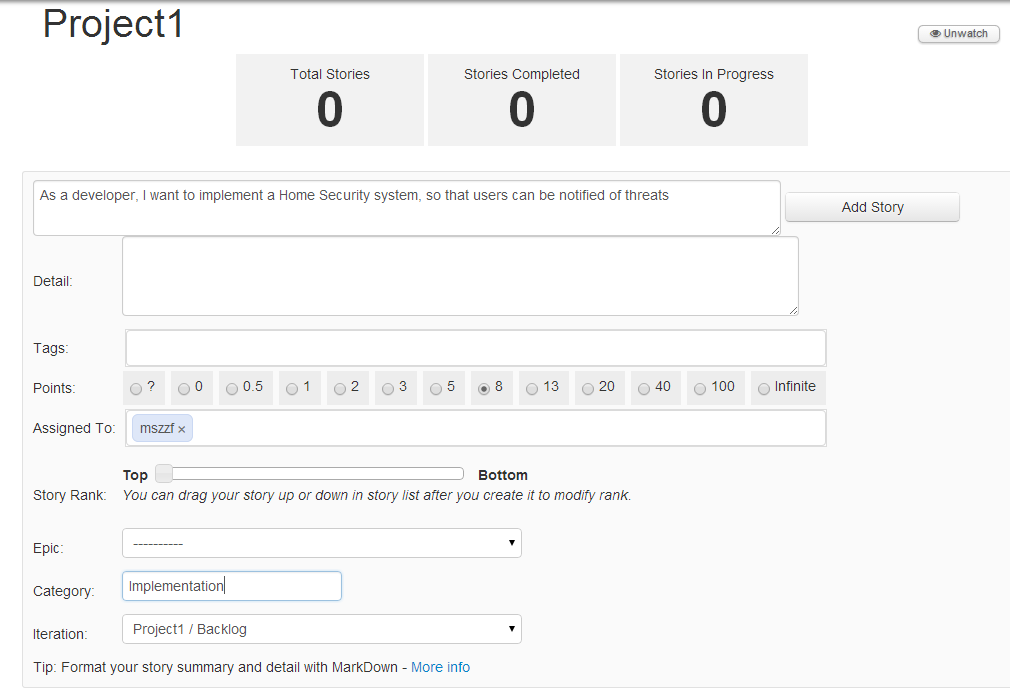
ScrumDo

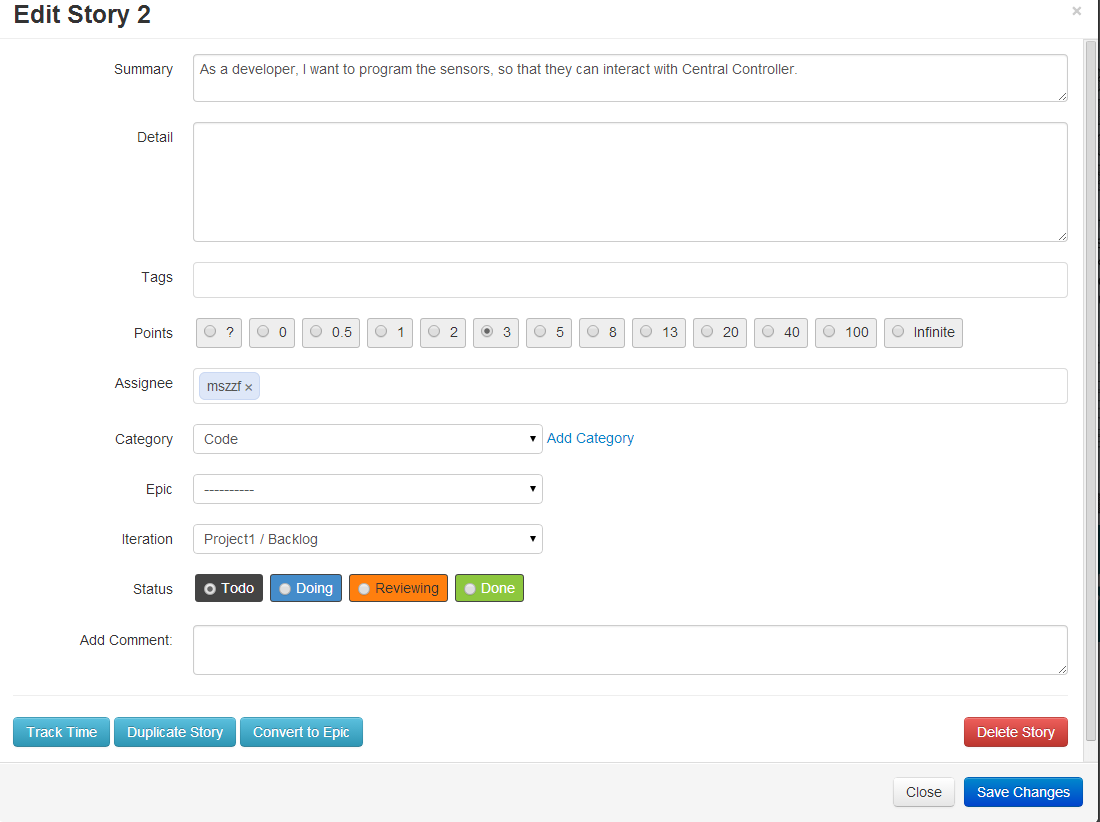
ScrumDo account is created and a Project1 is created.



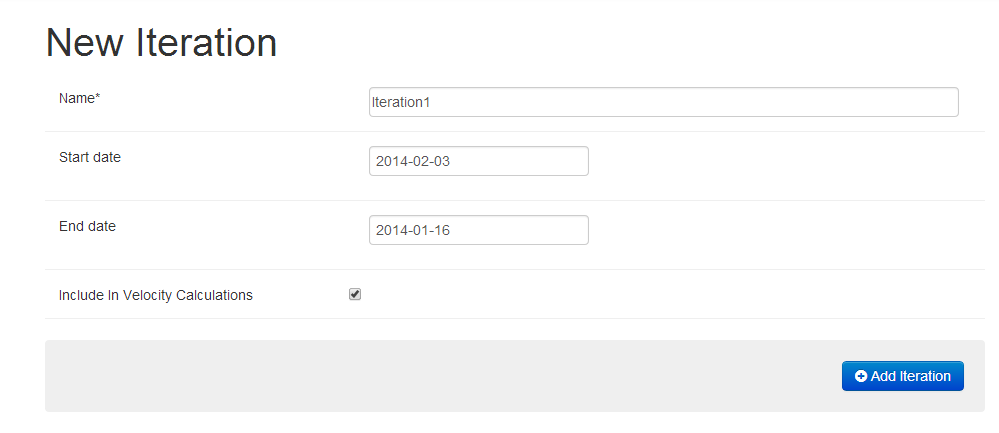


Creating the following 2 stories under Iteration Backlog

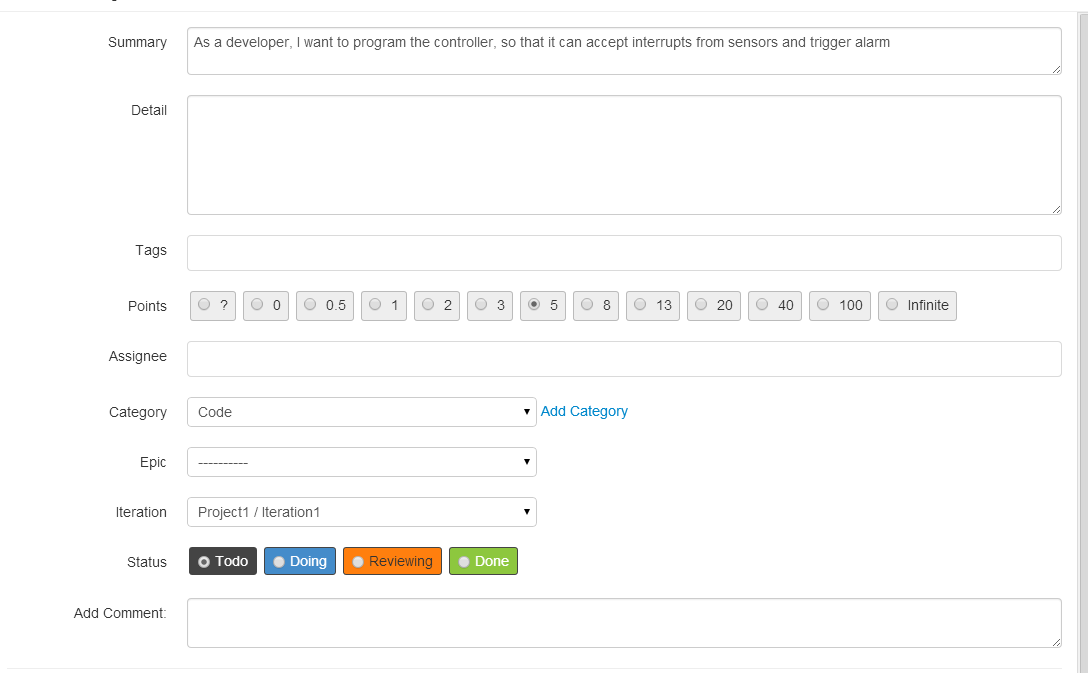


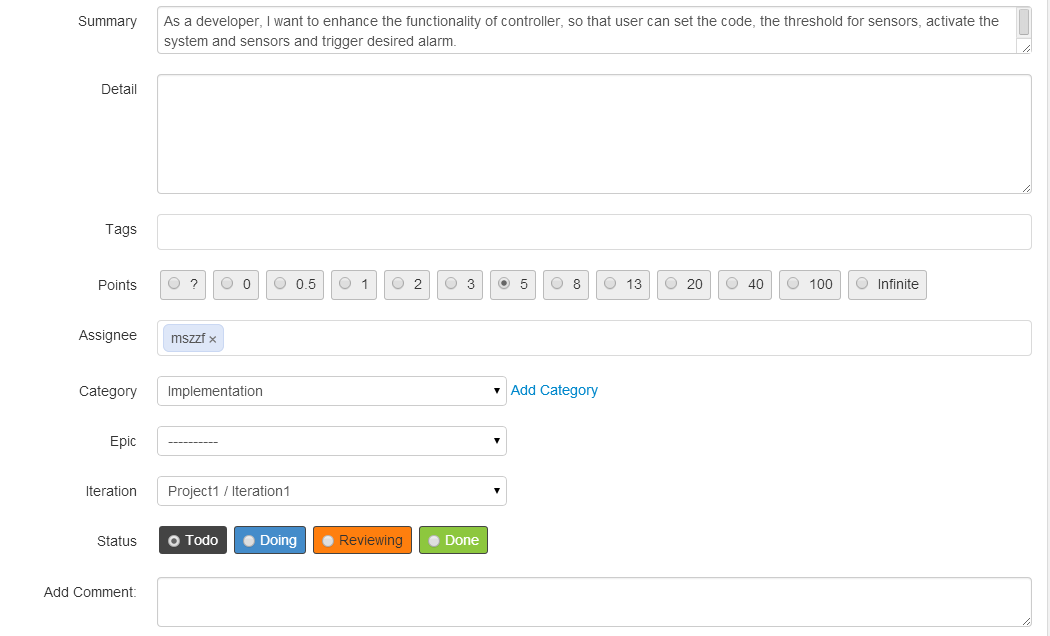


Create new Iteration Iteration1

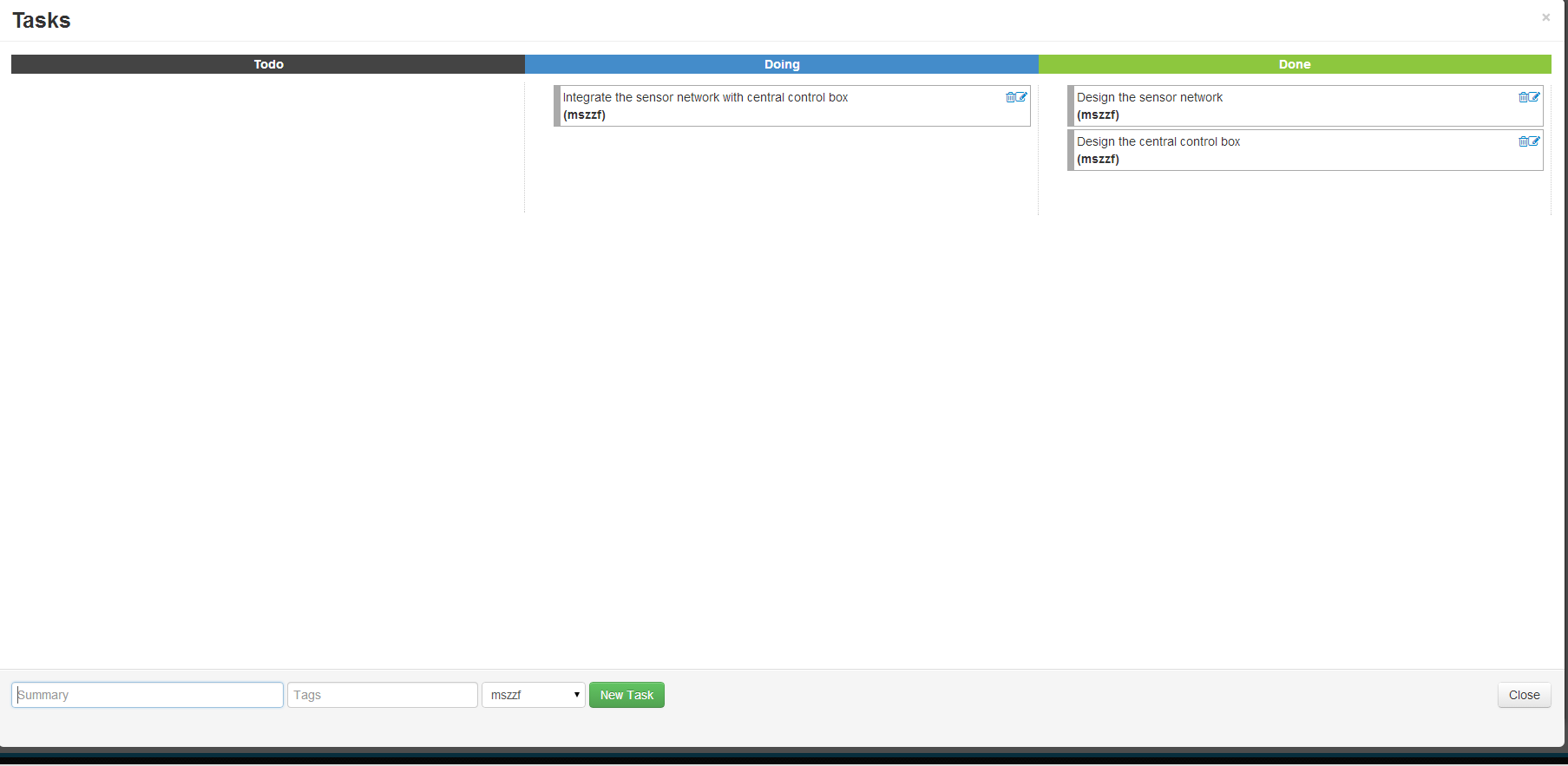


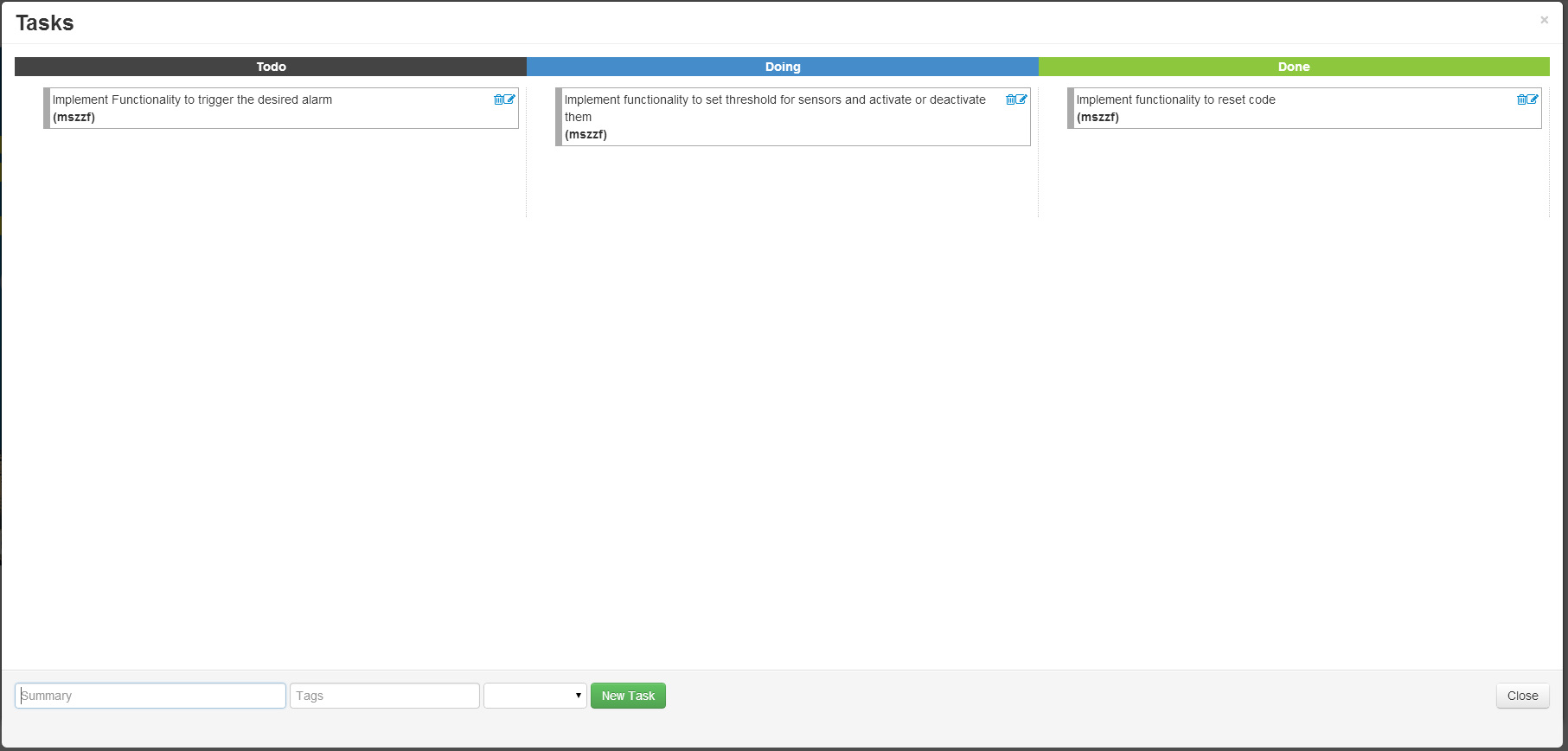
Create stories under Iteration 1



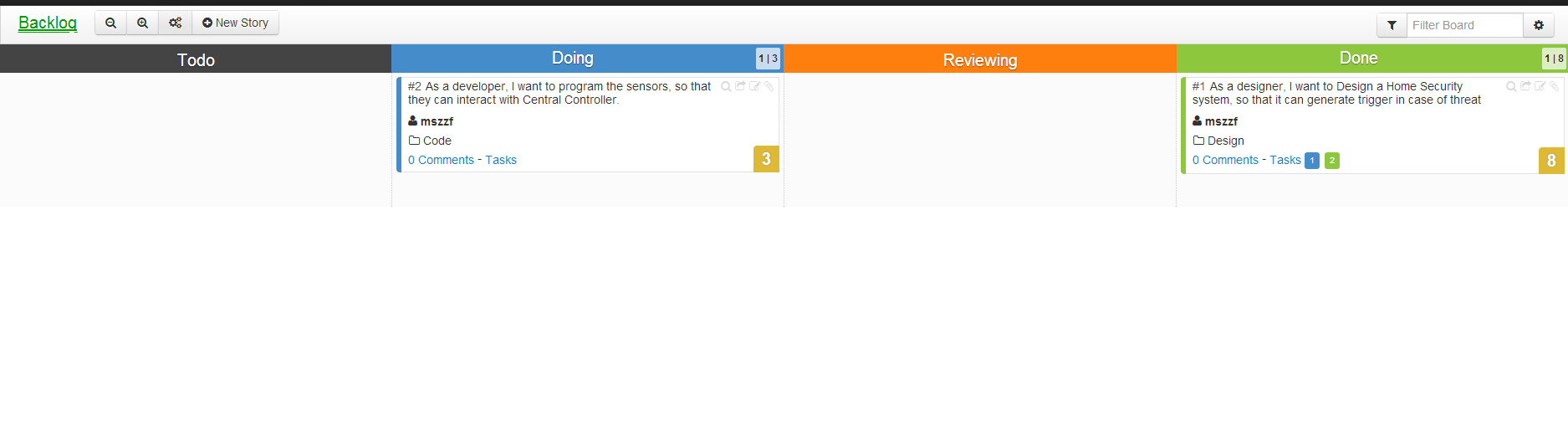


Add tasks to the story

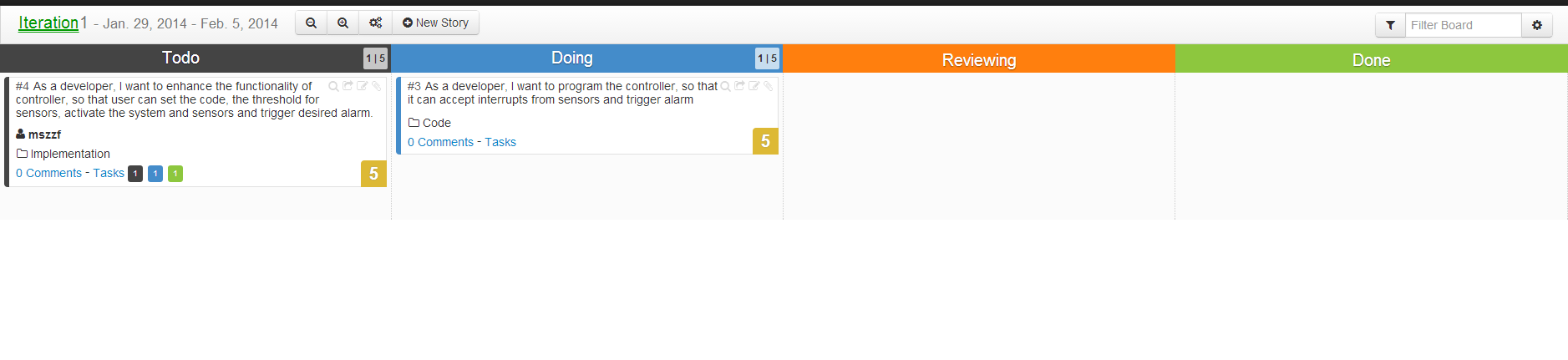




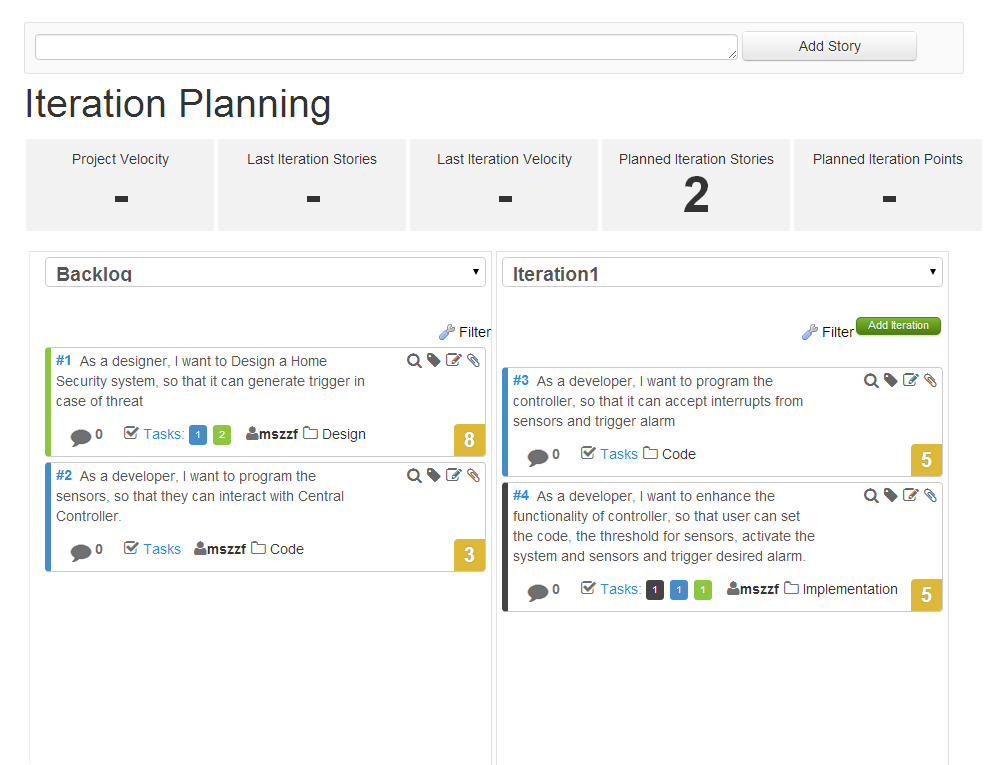
Scrum Board for Backlog Iteration



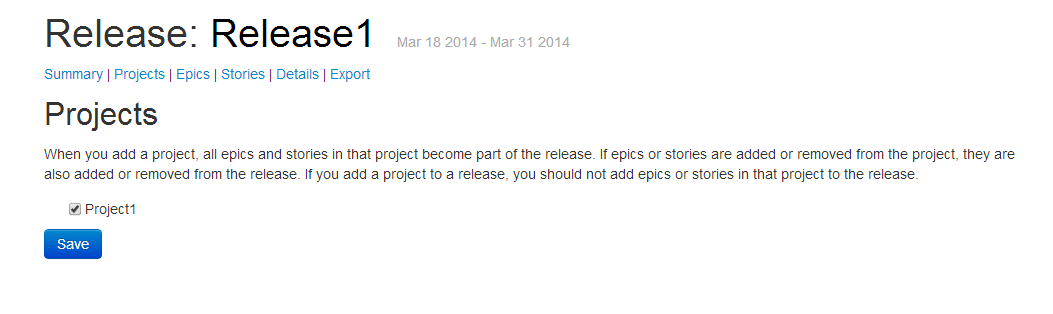
Scrum Board for Iteration 1



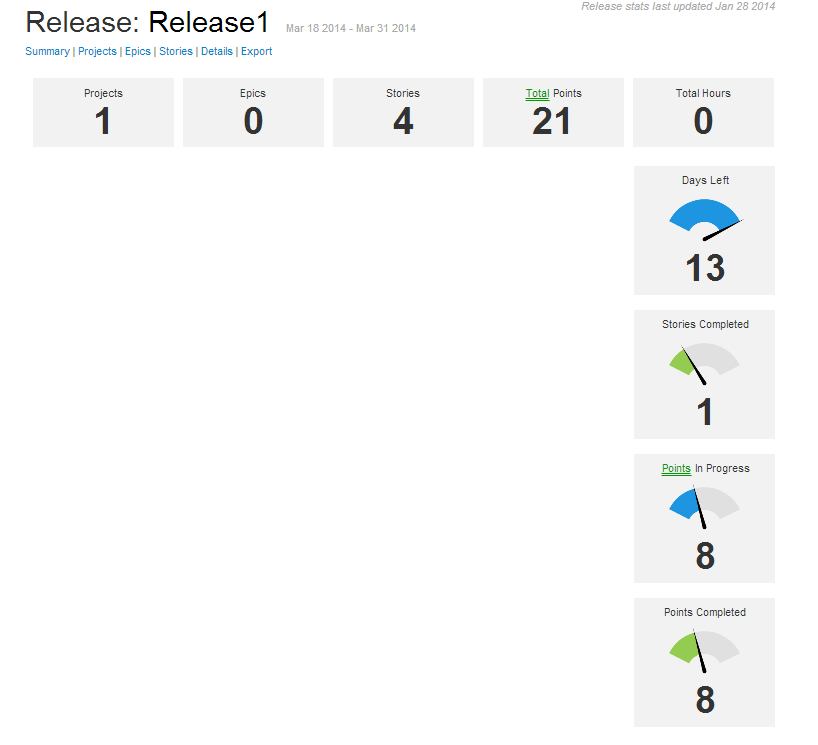
Plan Iterations using Iteration Planning



Create a Release Release1 and add Project1 to this release.



Release Statistics



Stories in Release 1



ScrumDo Project can be accessed at the below link.

http://www.scrumdo.com/projects/project/project184/