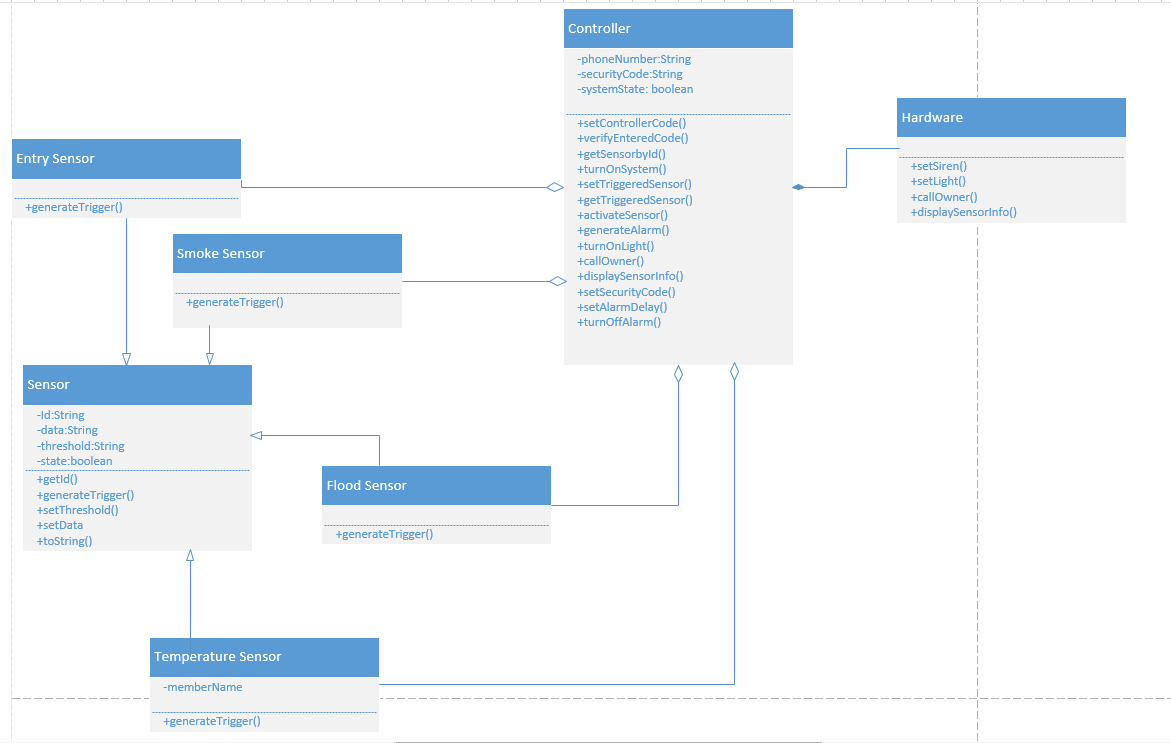
**Lab-1 Report**

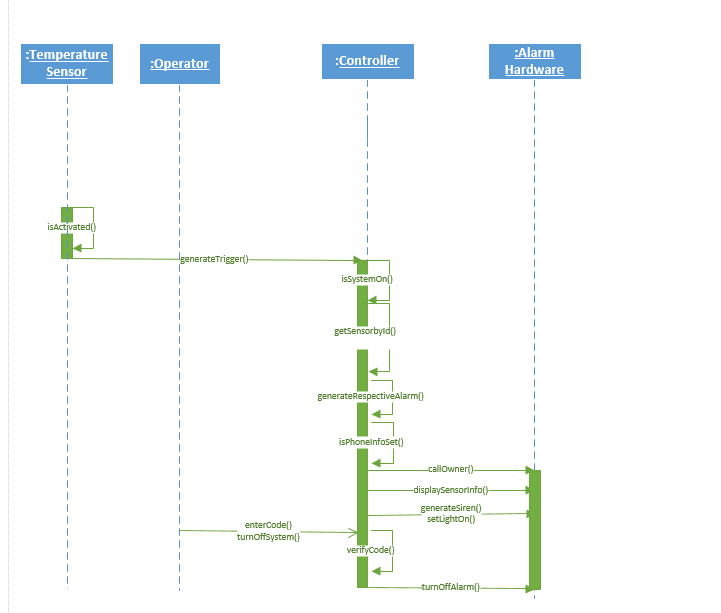
1) Design the Class Diagram/Sequence Diagram using Visio for the InClass Exercise .

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



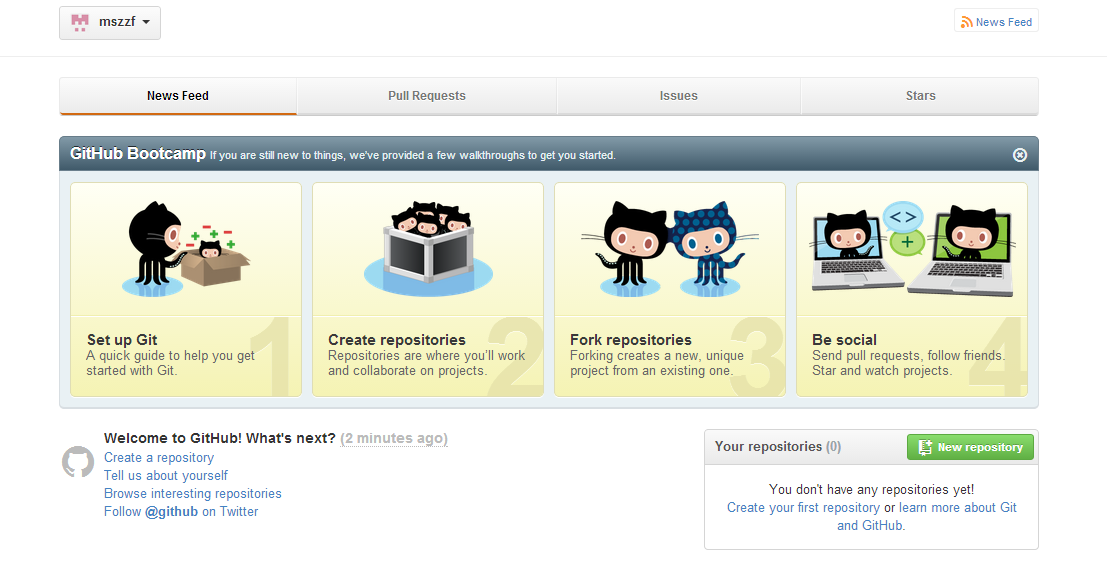
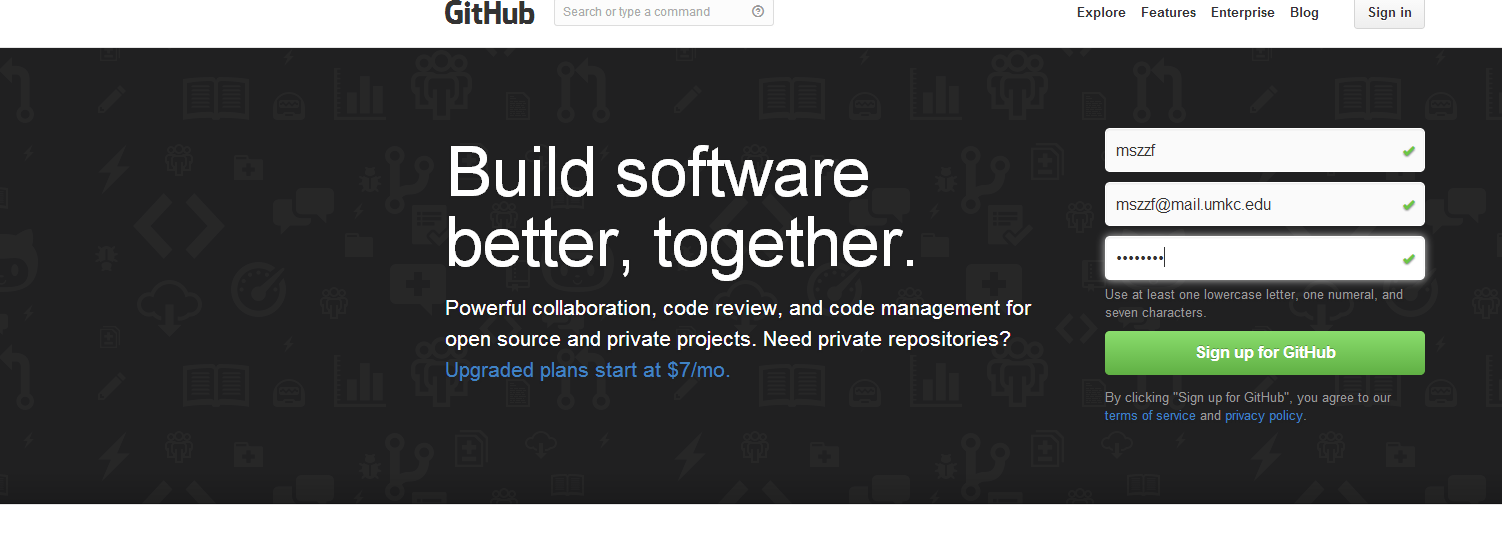
GitHub id: mszzf

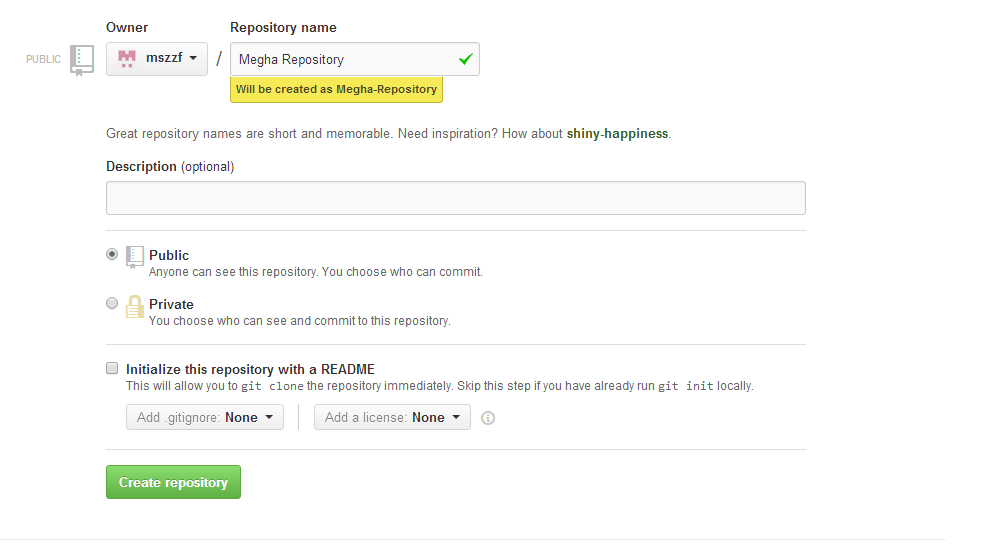
Sap$2010

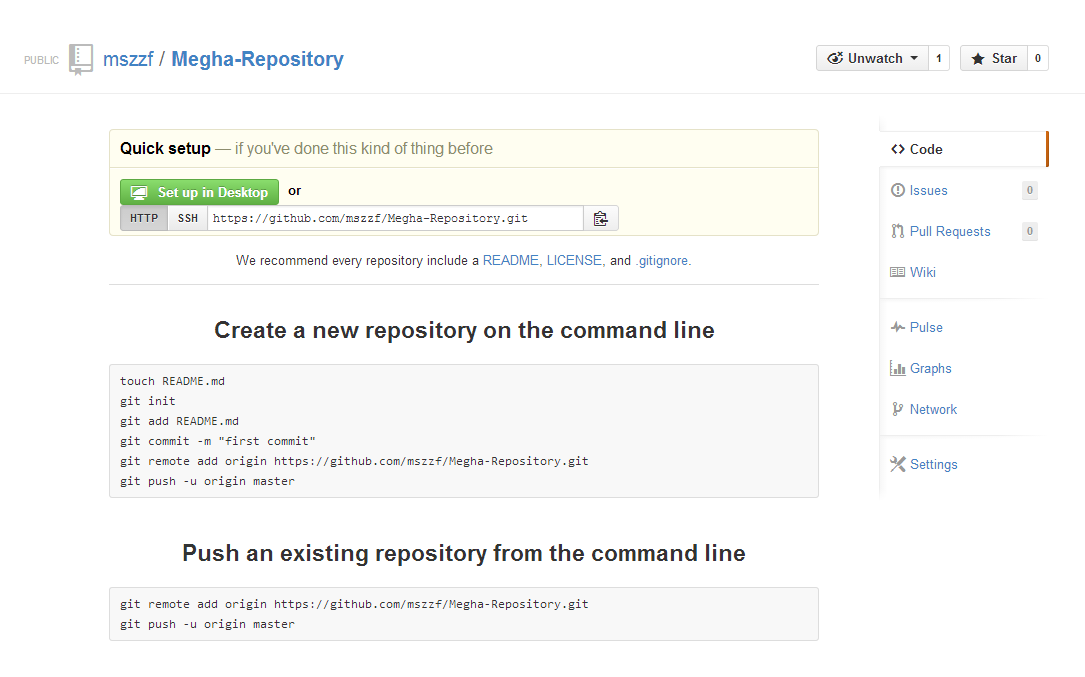
ScrumDo Id: mszzf

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

Create GitHub Account

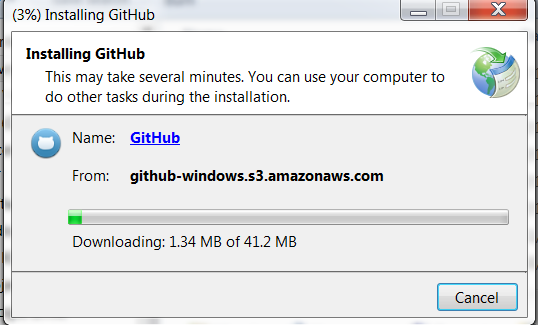


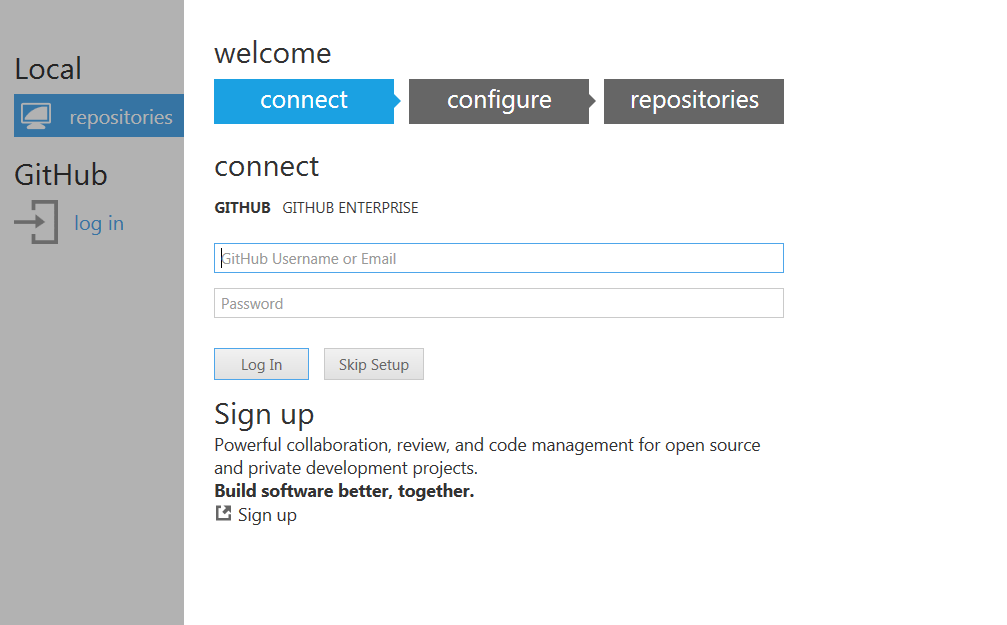
Create Repository in Remote GitHub 

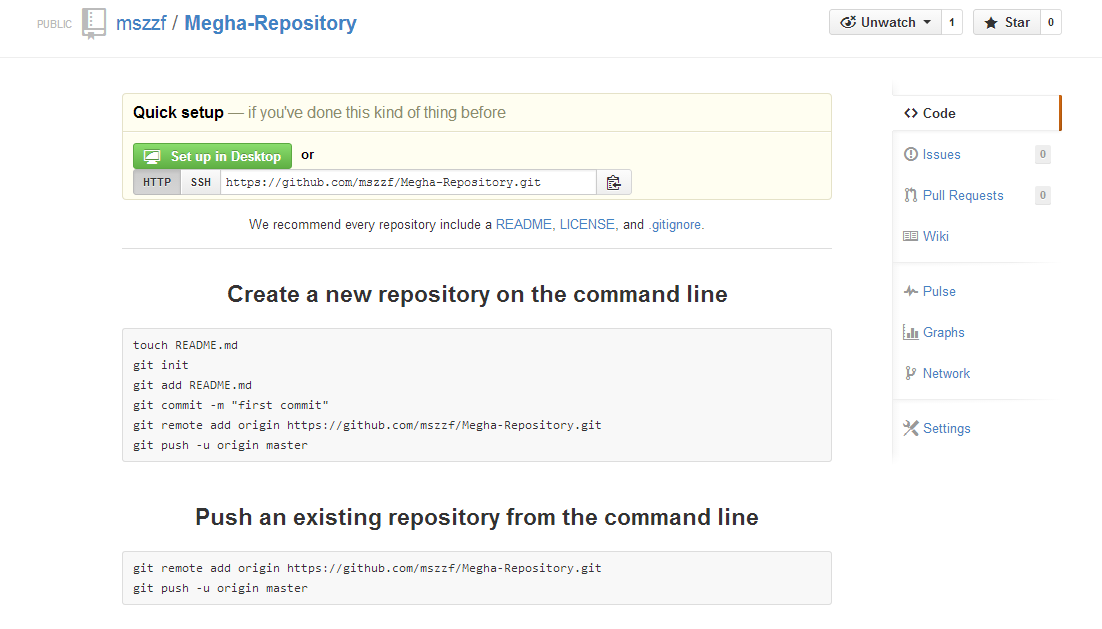


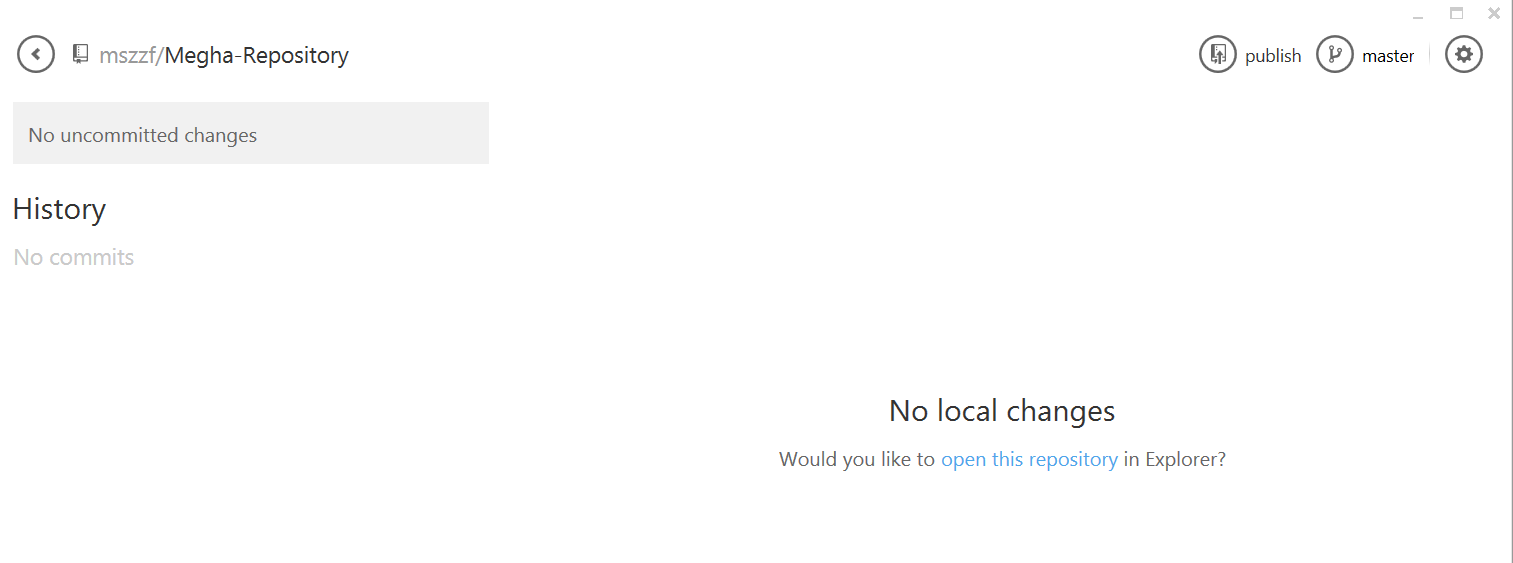
Install GitHub on local machine





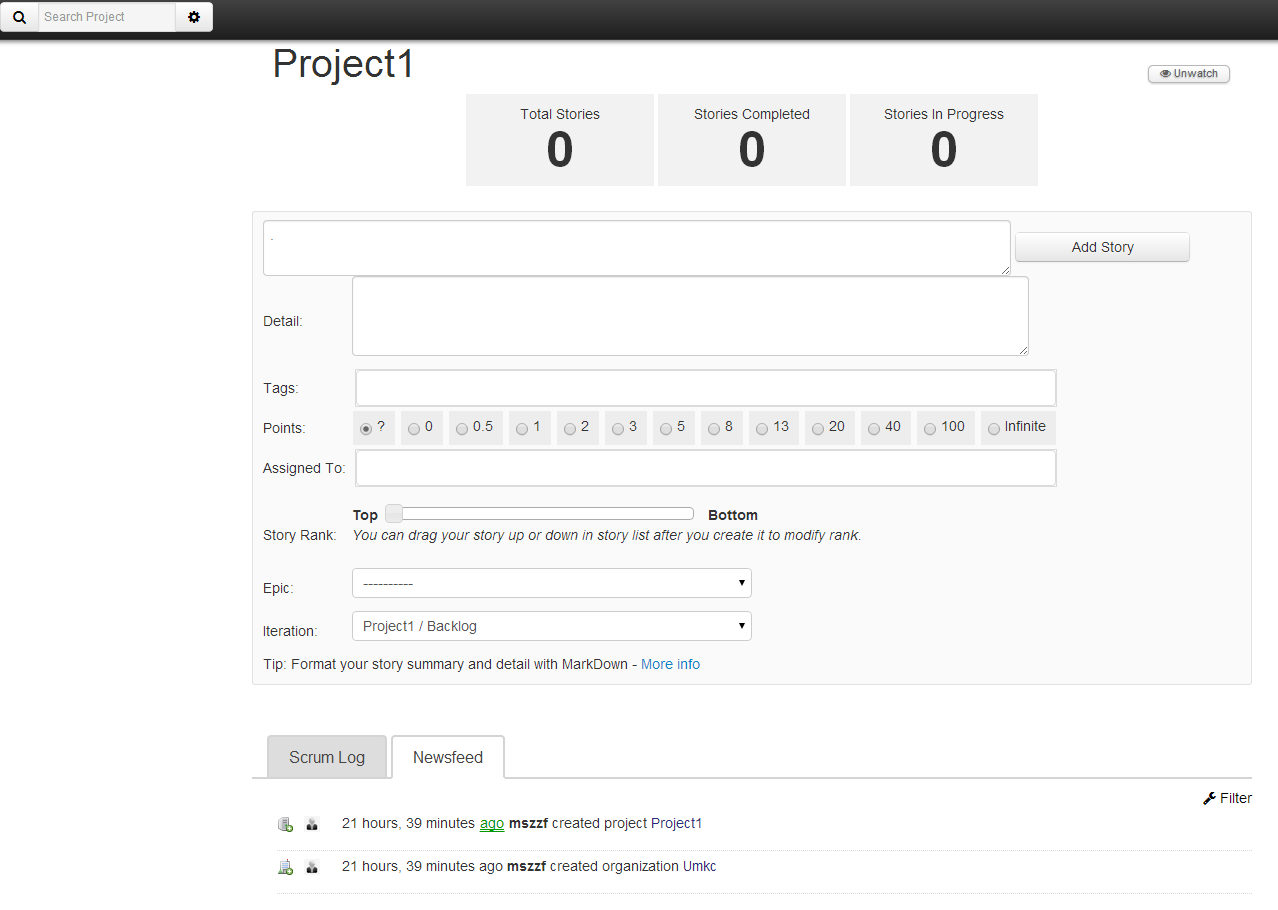


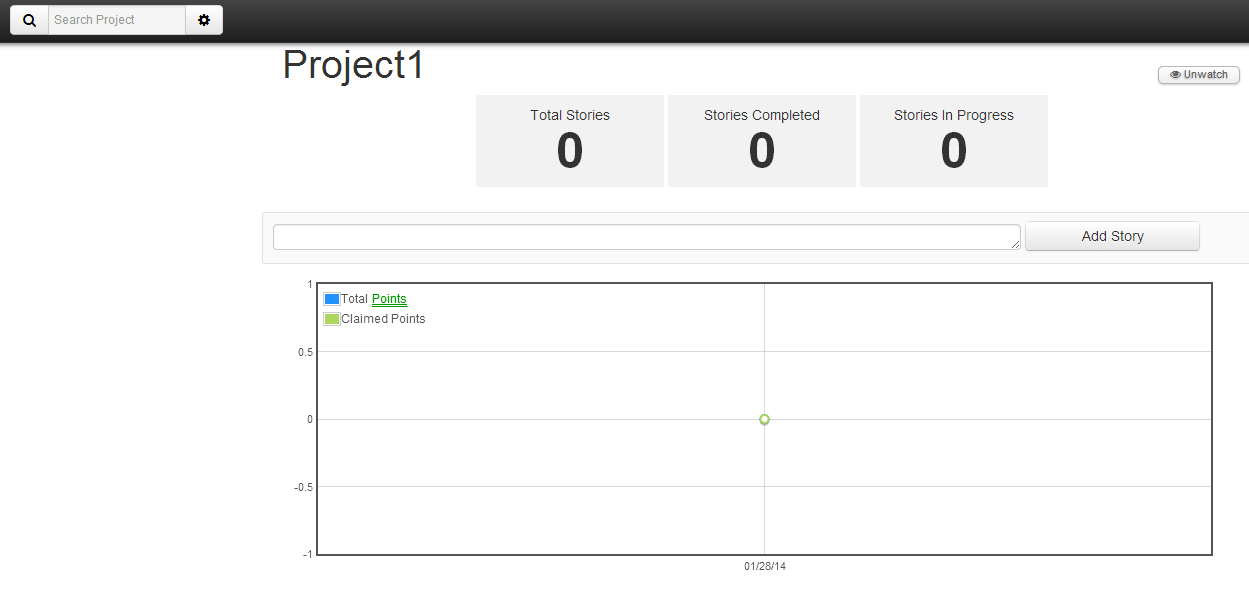




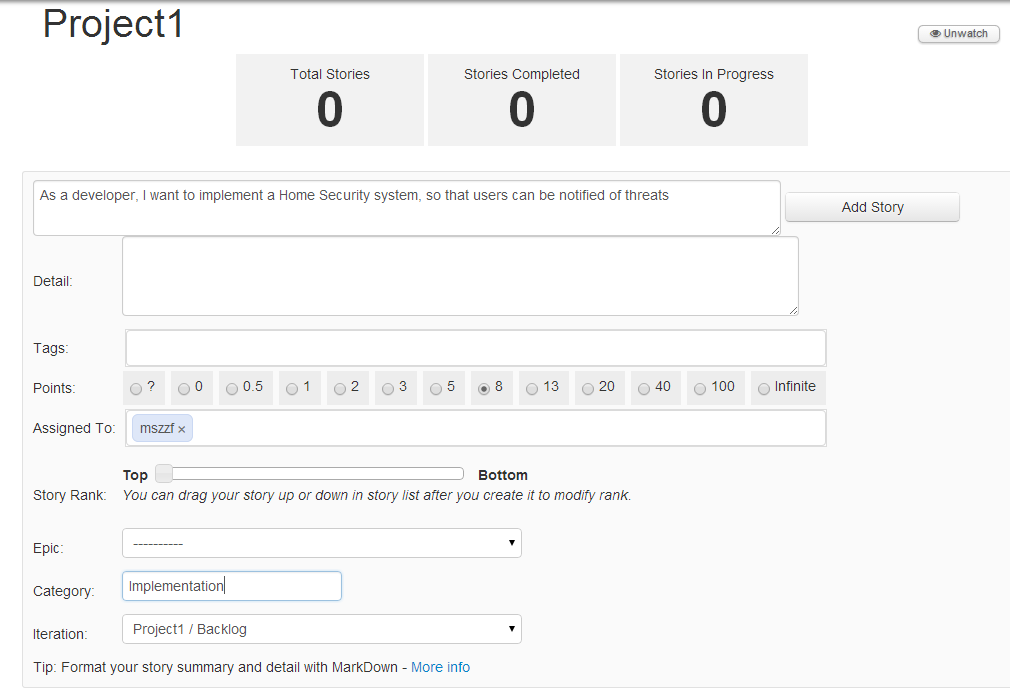
ScrumDo

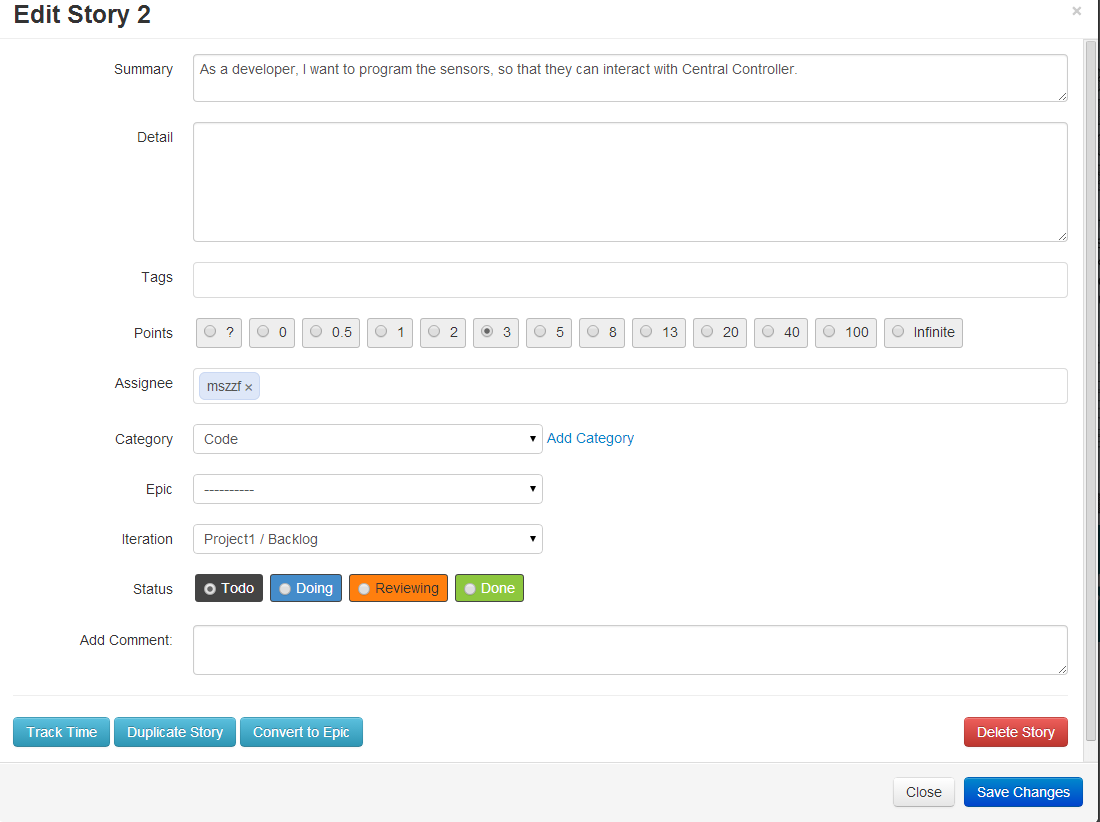
ScrumDo account is created and a Project1 is created.



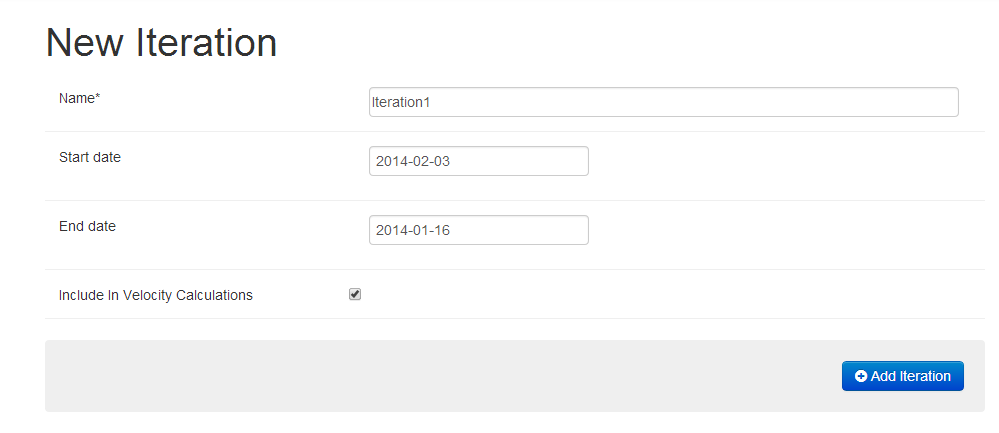


Creating the following 2 stories under Iteration Backlog

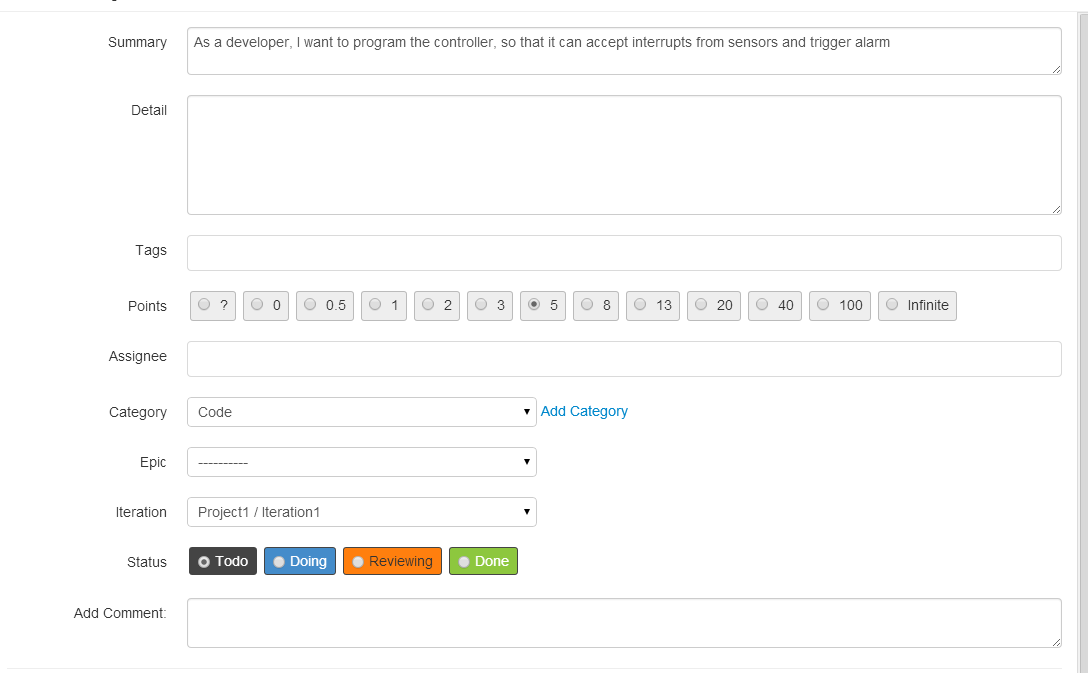


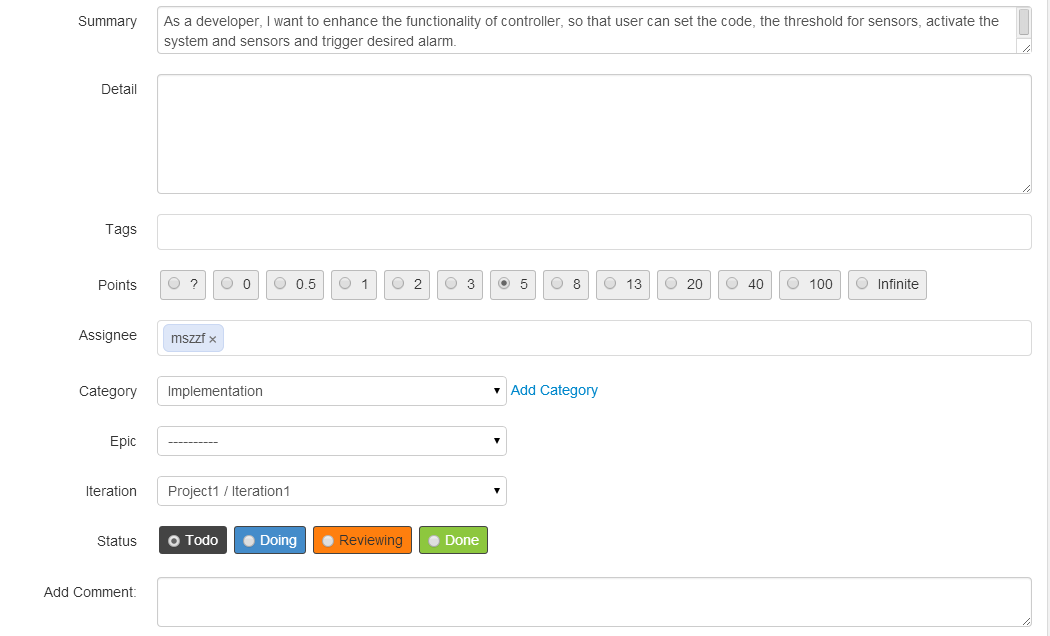


Create new Iteration Iteration1

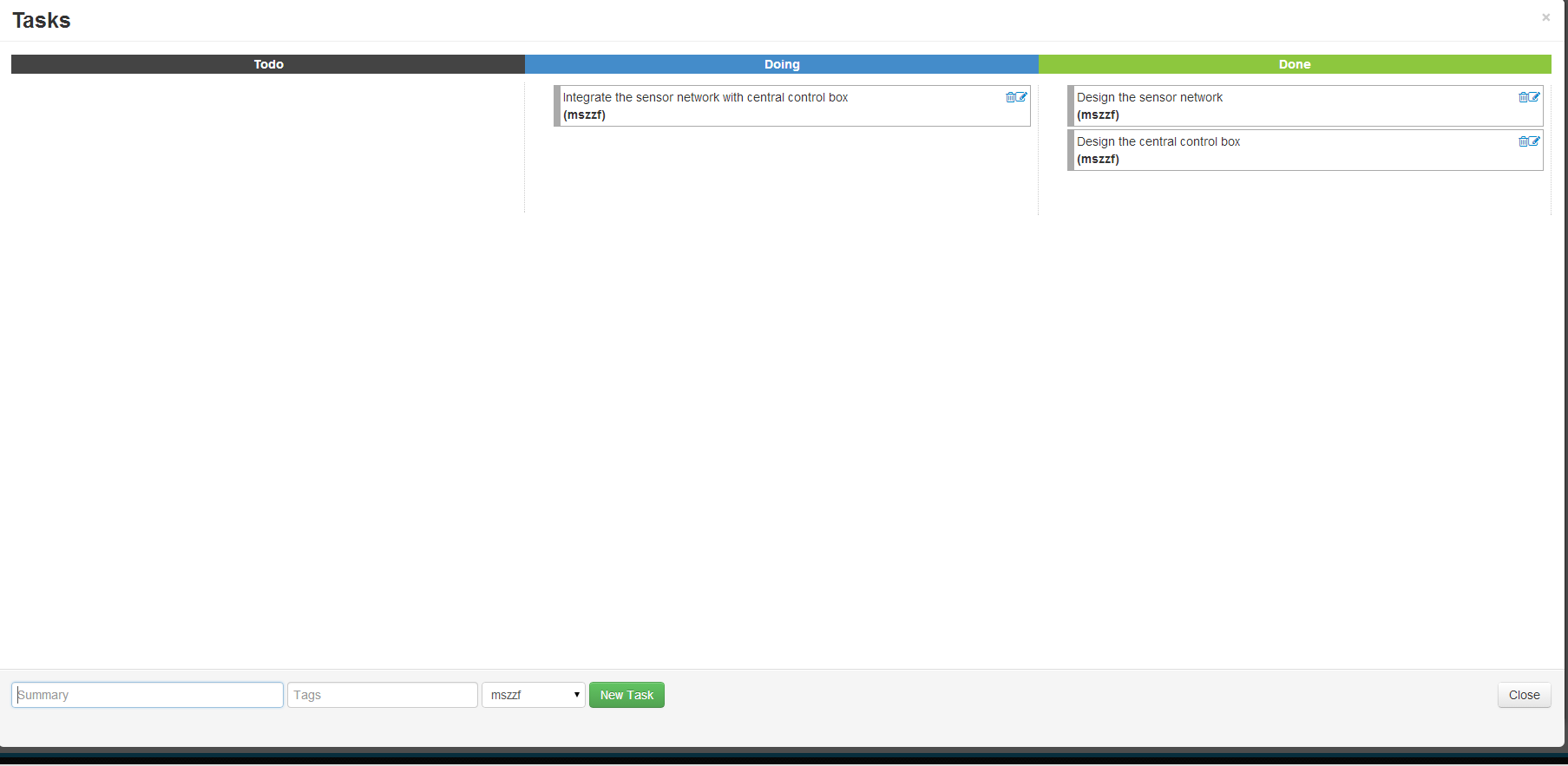


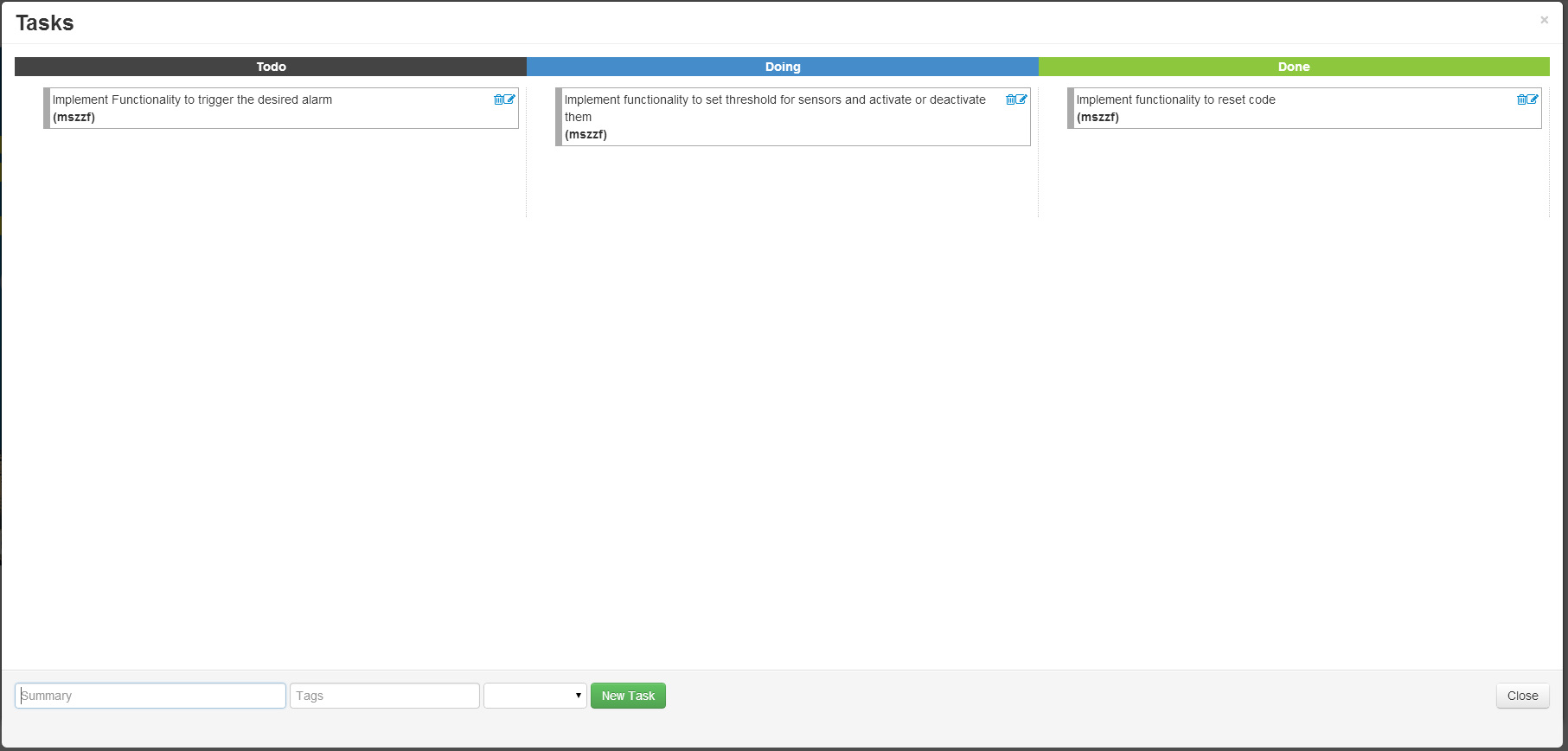
Create stories under Iteration 1



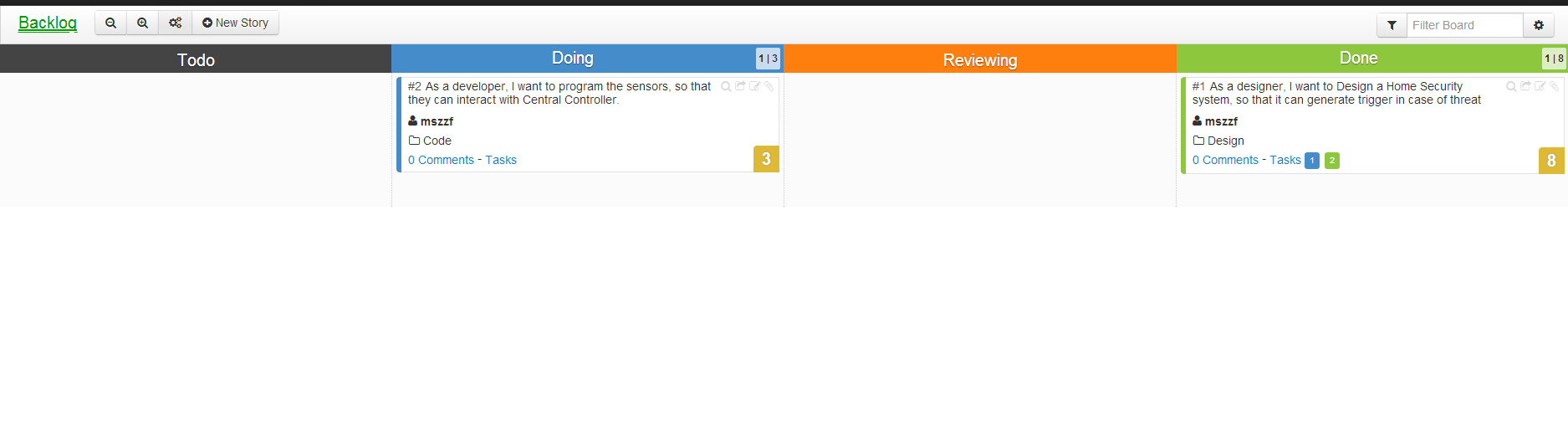


Add tasks to the story

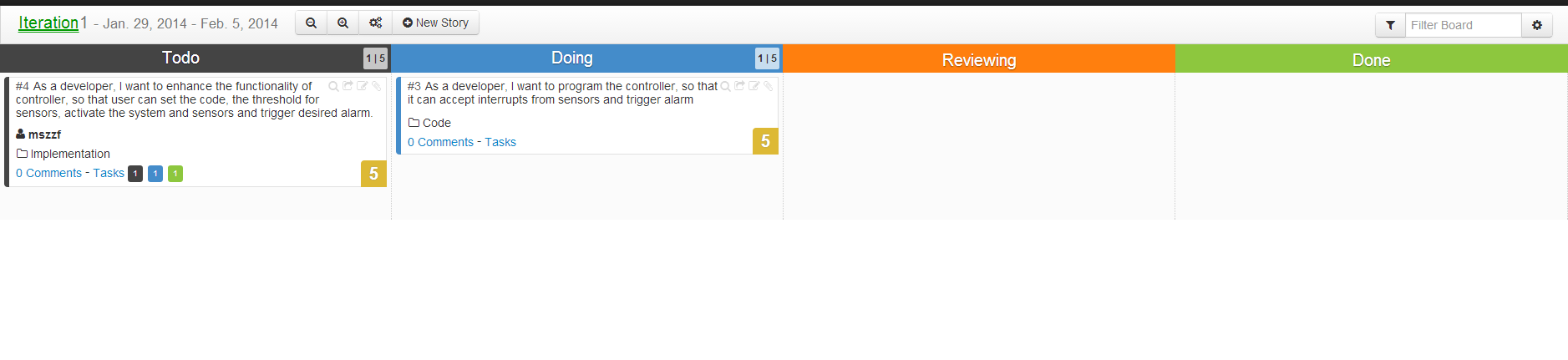




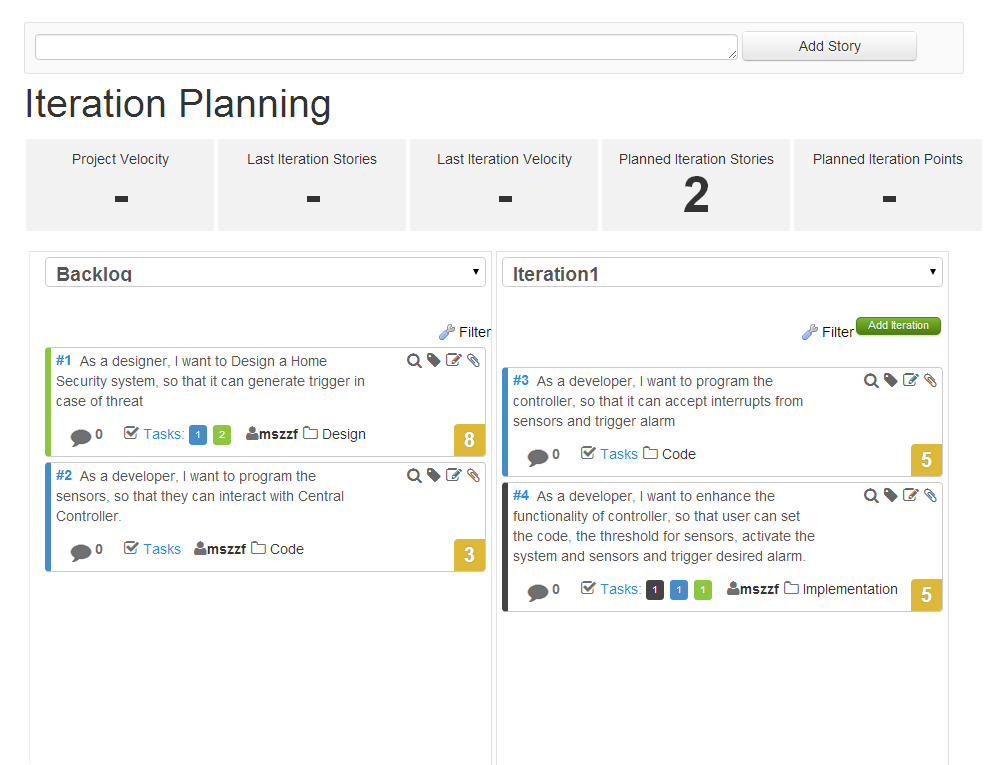
Scrum Board for Backlog Iteration



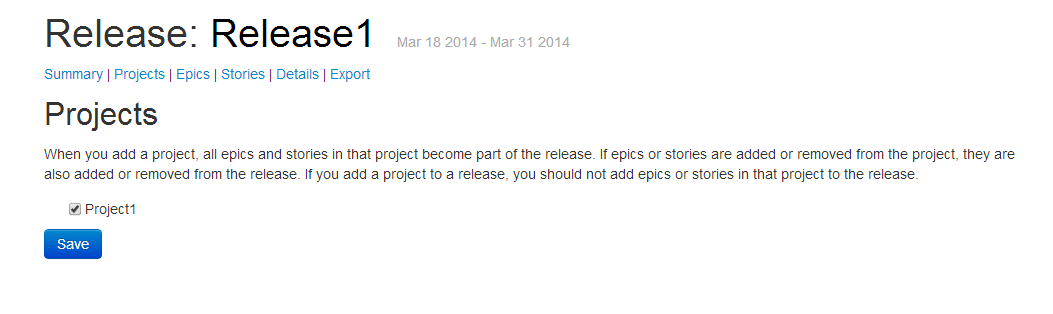
Scrum Board for Iteration 1



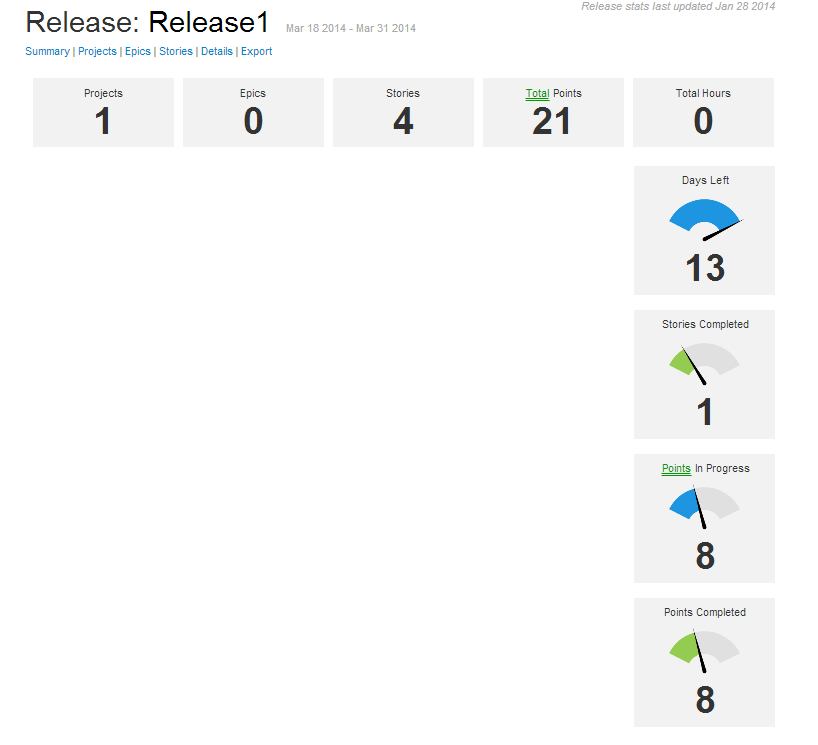
Plan Iterations using Iteration Planning



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/