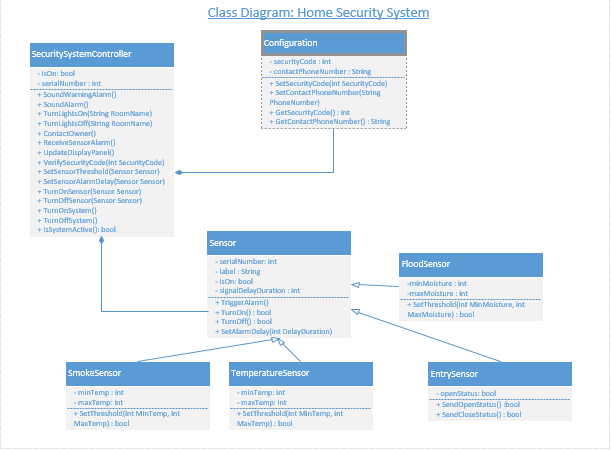
ASE LAB ASSIGNMENT 1

VINUTHA NUCHIMANIYANDA

STUDENT ID 16147487

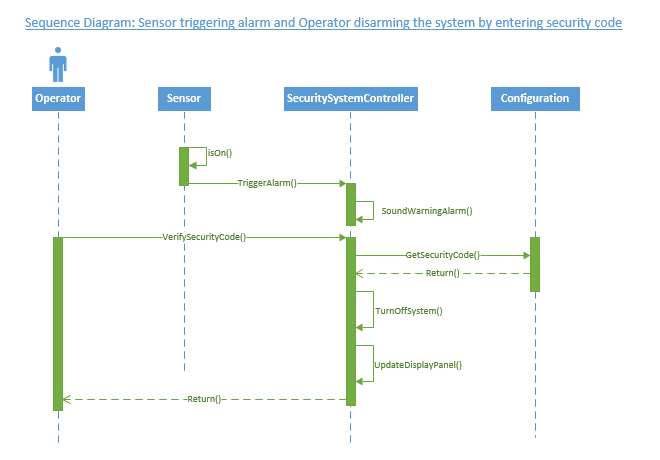
1. a. UML class diagram for home security system.

Solution: The class diagram consists of SecuritySystemController class with all the basic functionality to control the security system such as SoundWarningAlarm(), TurnLightsOn(), TurnLightsOff() etc. Configuration class is used to configure the security code and contact phone number which is utilized by SecuritySystemController. Sensor class is the base class for SmokeSensor, TemperatureSensor, EntrySensor and FloodSenser.

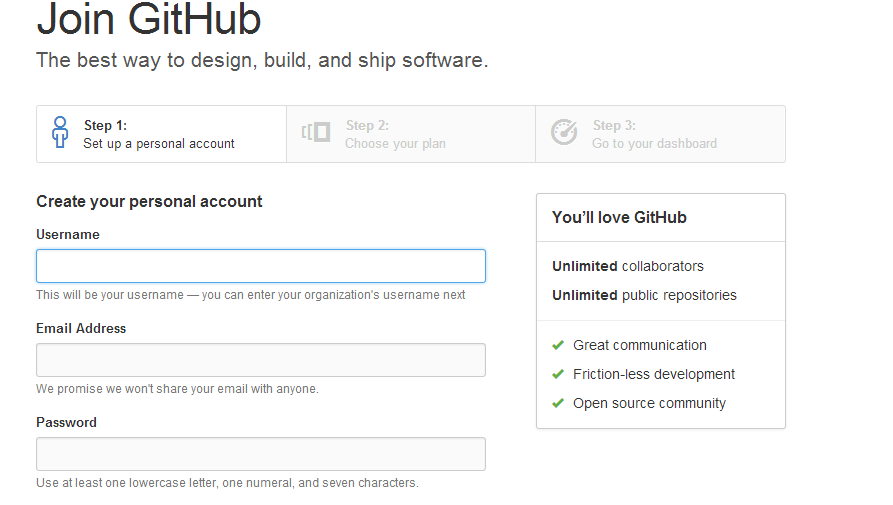


1. UML sequence diagram

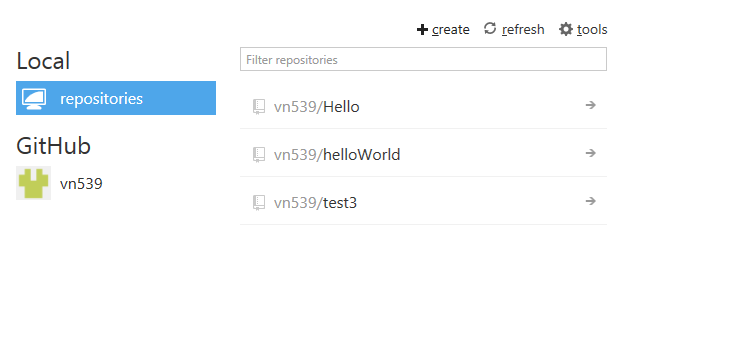
Solution:



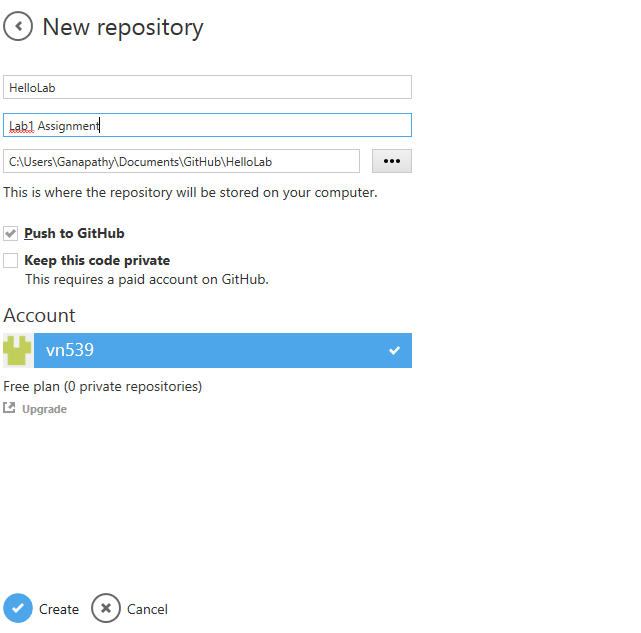
1. Creating a Github account



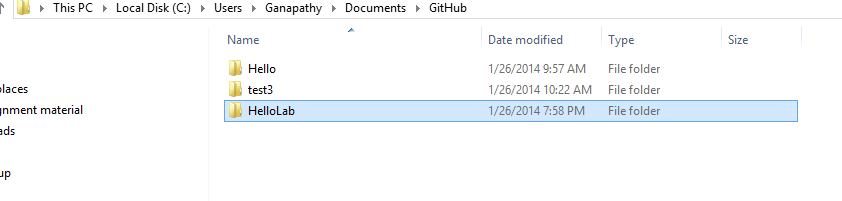
After creating a Github account. Install Github for windows



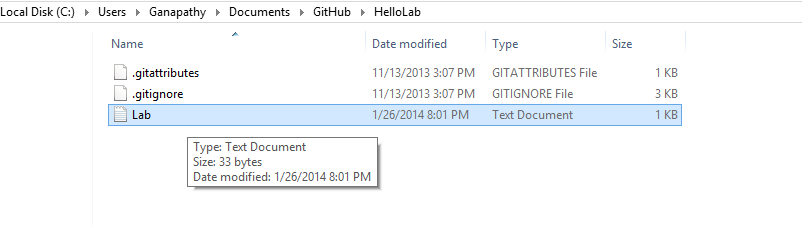
Creating new repository



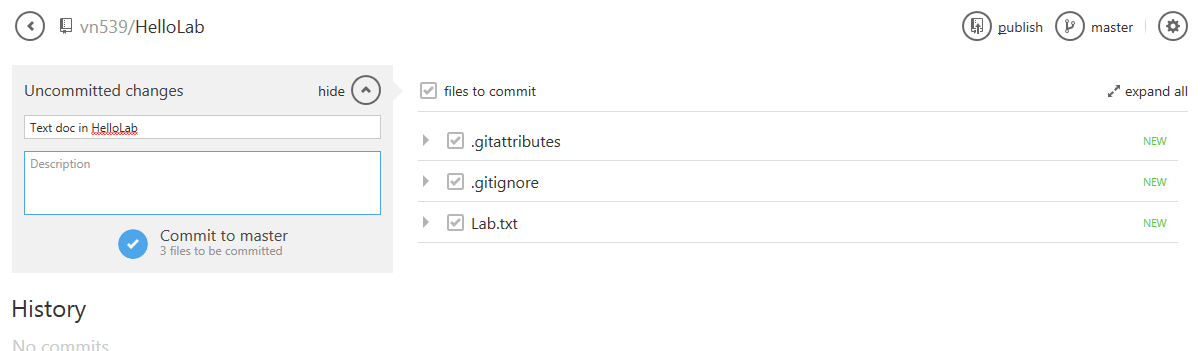
Repository created on the local machine



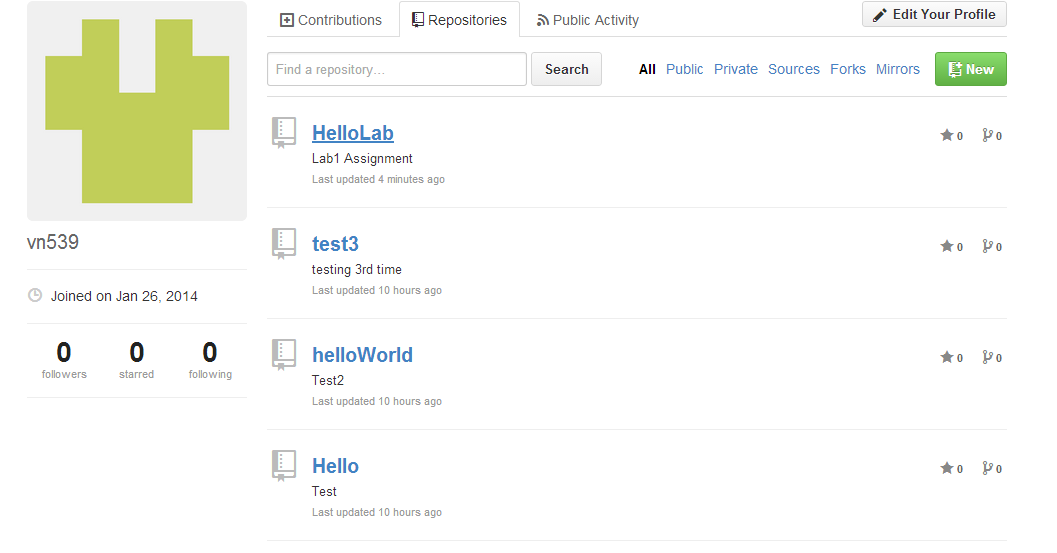
Created a text doc in the HelloLab folder

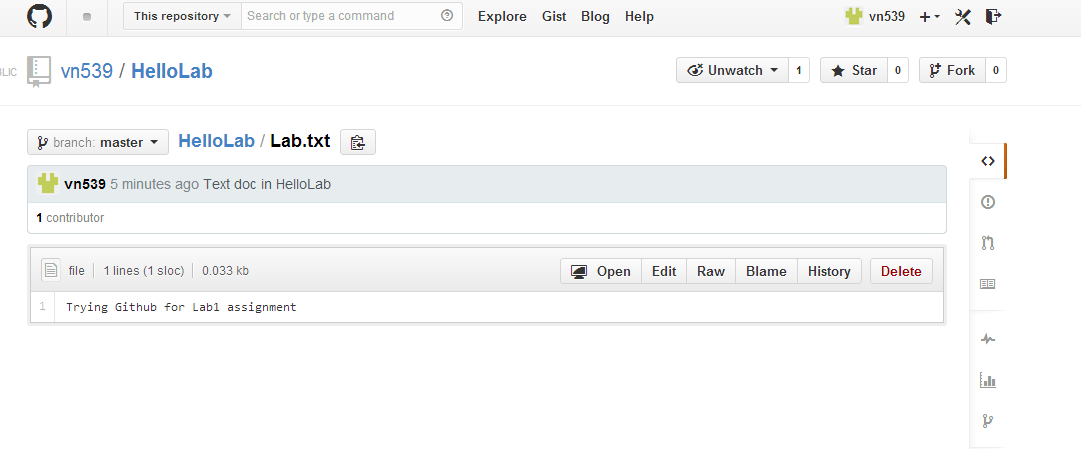


Using publish and synch button the changes on the local repository is pushed to the remote Github server.

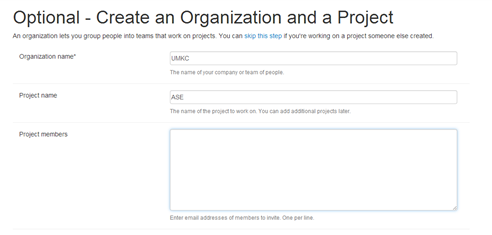


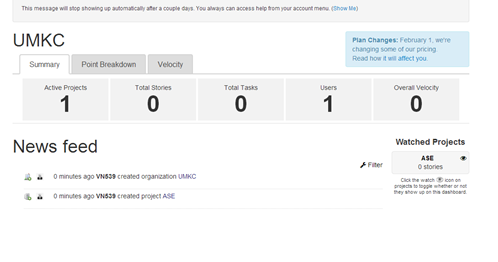
HelloLab folder is created on the remote server.



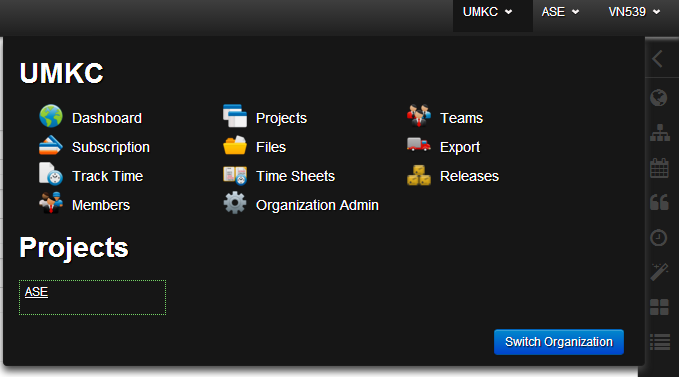
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Creating scrumDo account

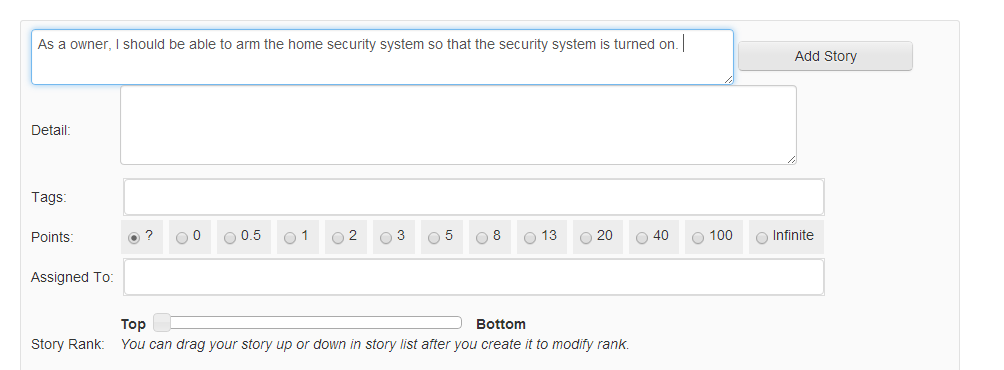




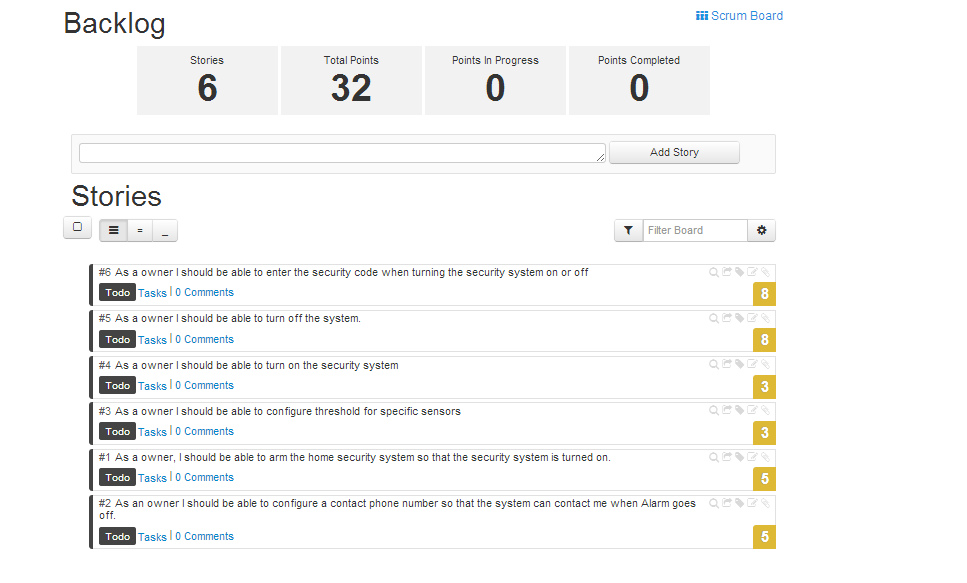
Defining user stories and Planning Iterations and Release for Home Security Systems.



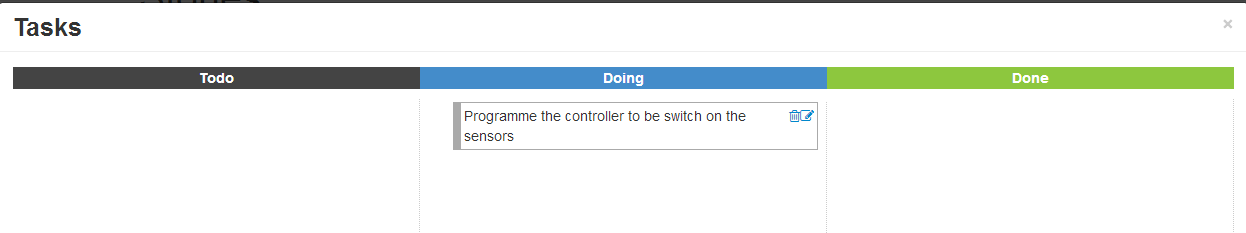
Adding stories and tasks for security alarms systems .

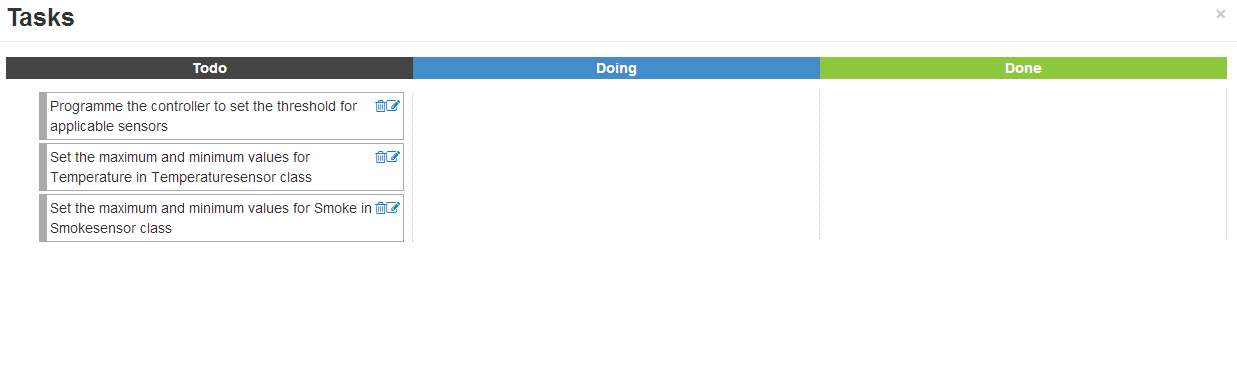
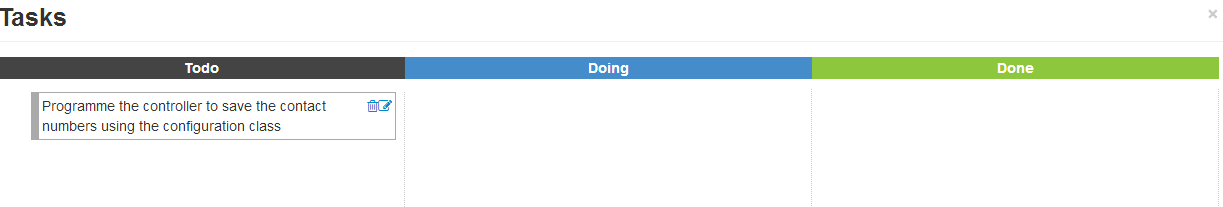


Backlog with all the user stories.

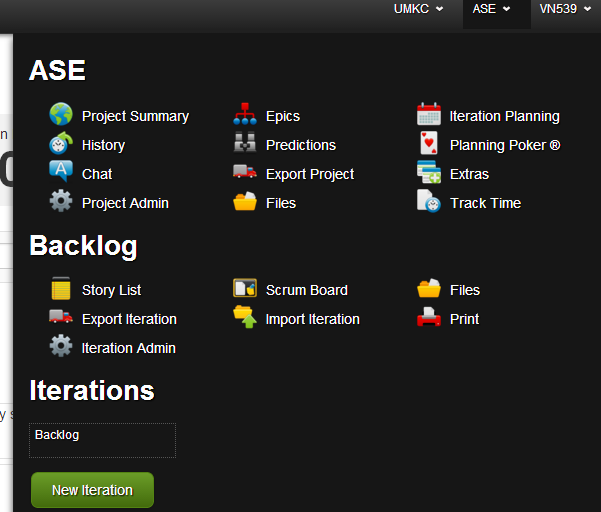


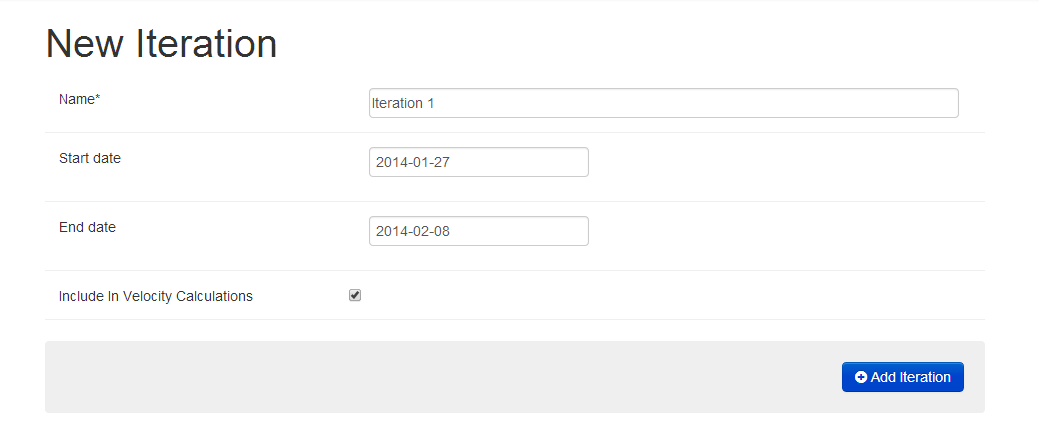
Tasks assigned to each user story.

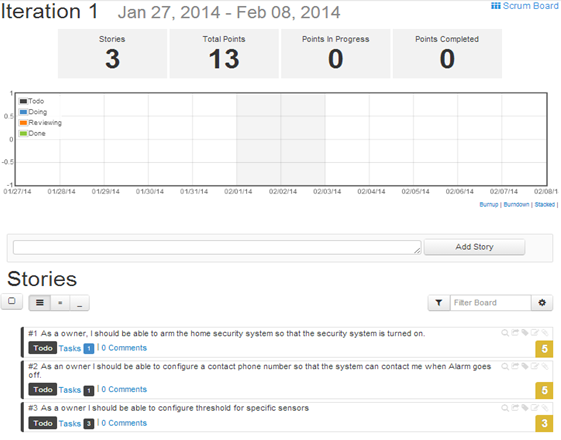




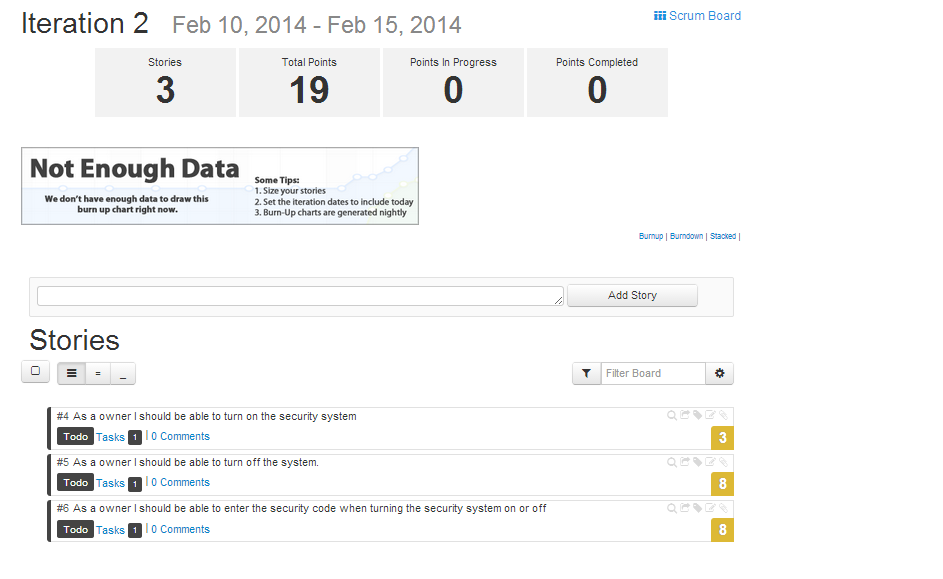
Creating Iterations and adding stories to the Iteration. Iteration is a planned time period within which the stories can be completed.





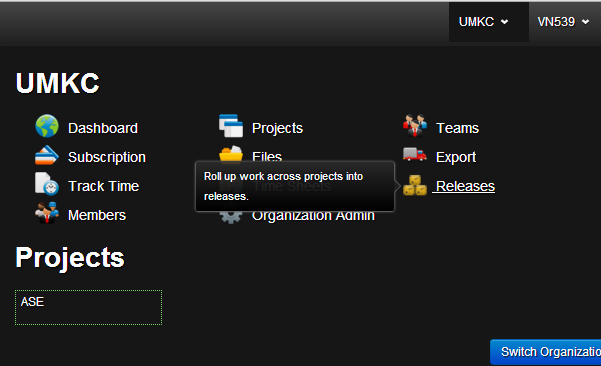




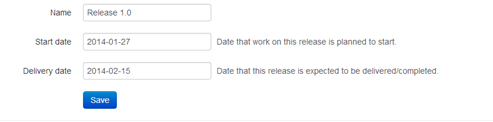


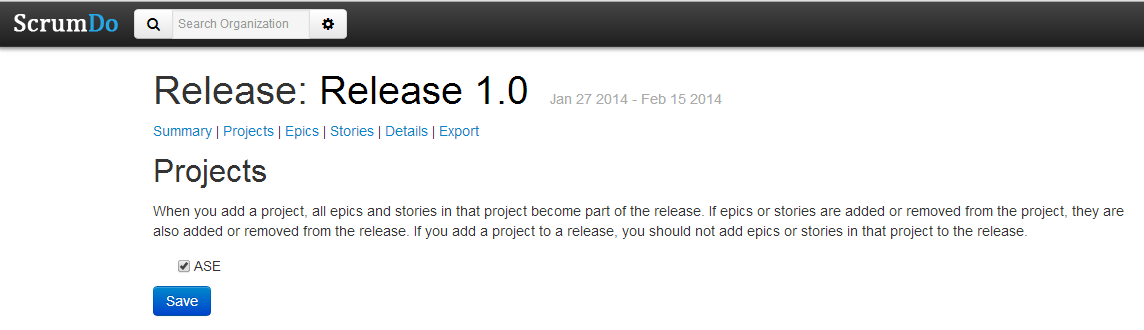
Delivery

Step 1: Release can be used to set a date for delivery of Project which can be found under UMKC Projects.



Step 2: Create a release name with the start and delivery dates.





Step 3: All the related information of the project along with the stories can be found under summary.

