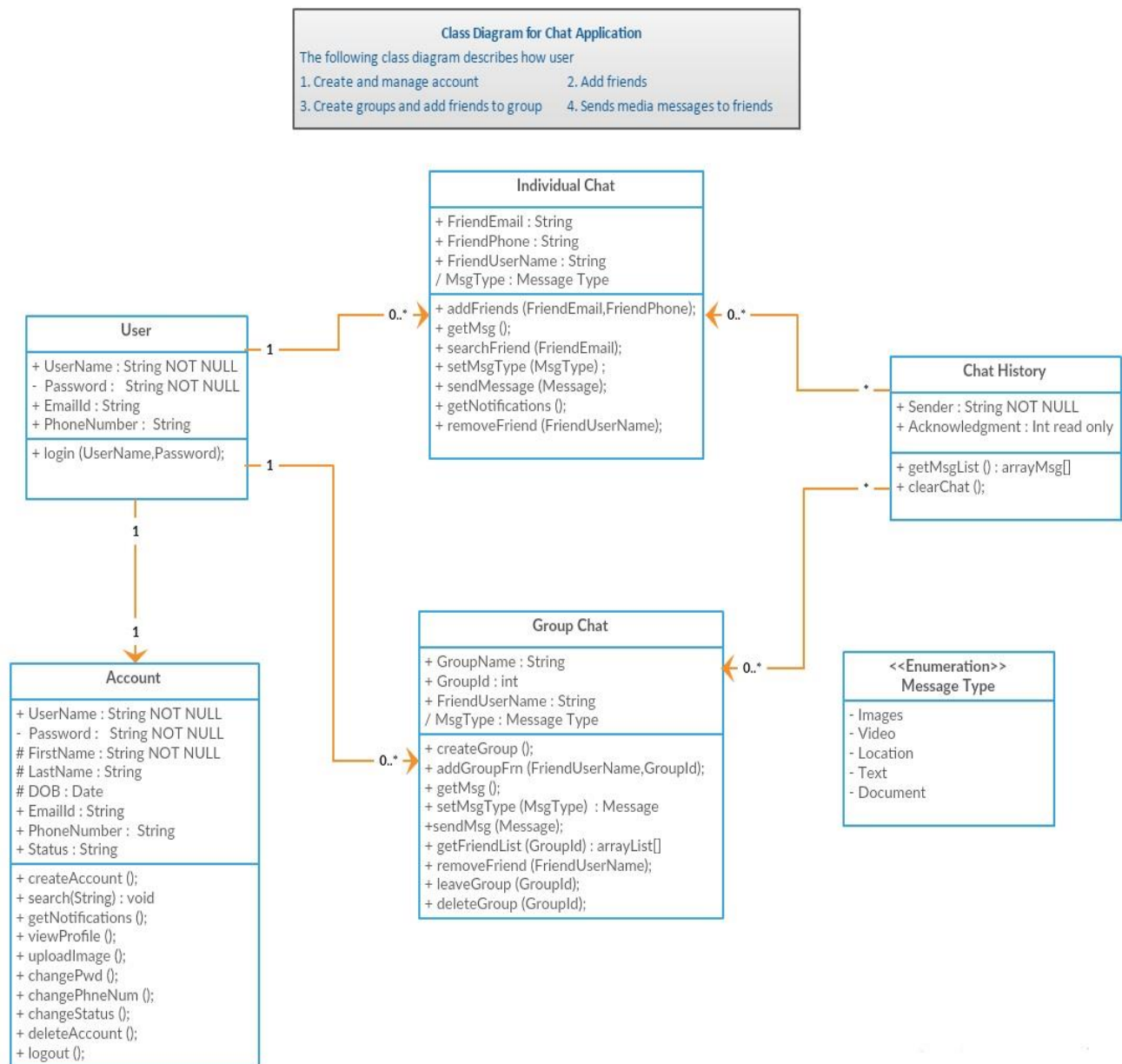


## LAB ASSIGNMENT #1

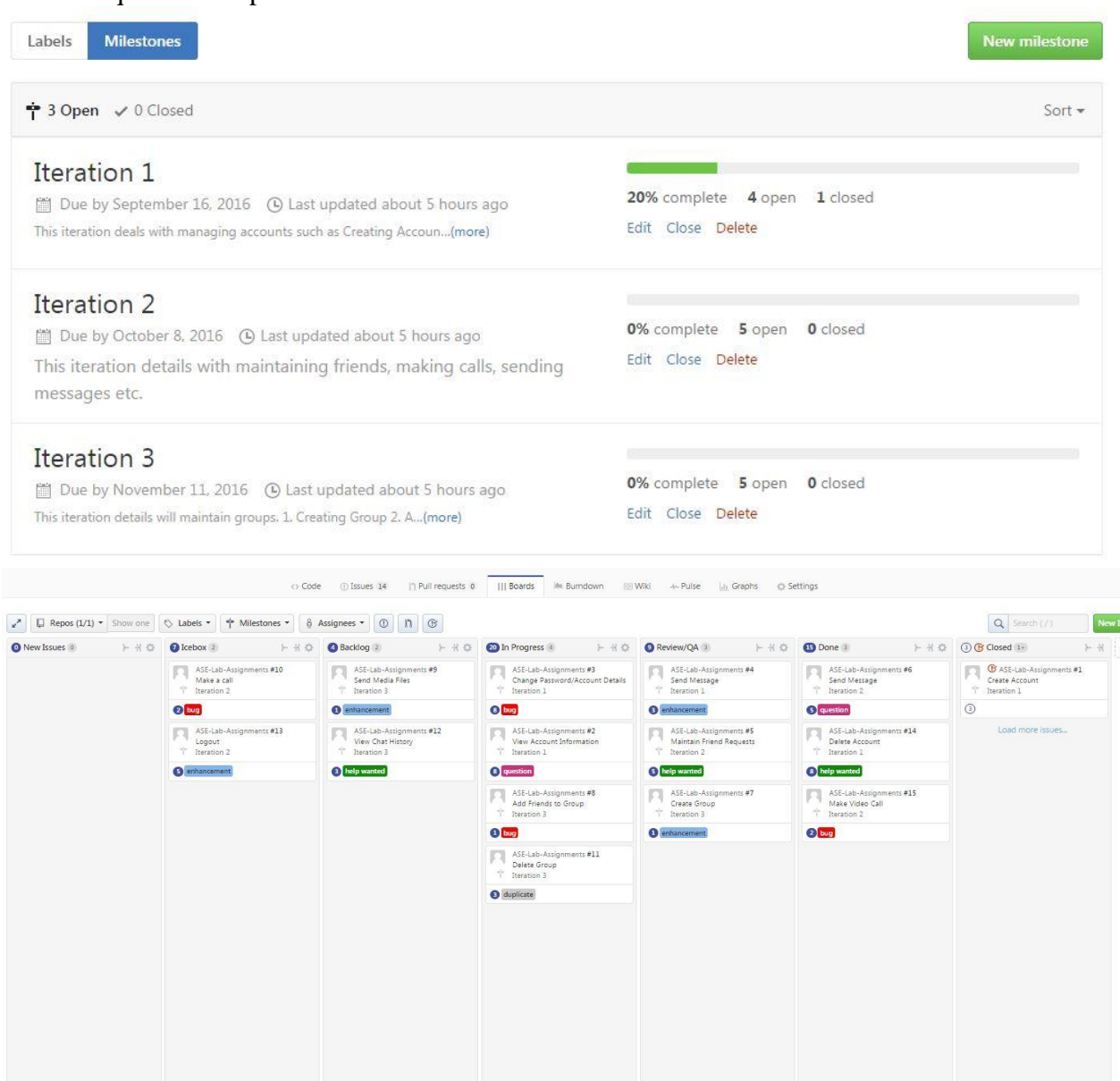
### 1) UML Class diagram for the below scenario:

**Chat application:** A user can create an account and add friends using their mobile number or email id. User can chat with any individual from his friends list; User can also create groups and invite his friends to join the group. In addition to that, media like images, video, location can be shared with friends and group.



## 2) Using ZenHub tool create a board, 3 iterations, at least 5 tasks and show the analytics graph.

- Under ASE-Lab-Assignments repository 3 milestones are created as Iteration 1, Iteration 2 and Iteration 3.
- Each Milestone is created with Start Date and End Date.
- Under each Milestone 5 tasks are created.
- Each task is assigned to its respective pipelines such as New Issue, Icebox, Backlog, In-Progress, Review, Done and Closed.
- Also each task is given a Story Point i.e. an estimate which is used measure the effort required to implement tasks.



The screenshot displays the ZenHub interface for the ASE-Lab-Assignments repository. At the top, there are tabs for 'Labels' and 'Milestones', with a 'New milestone' button on the right. Below this, a summary shows '3 Open' and '0 Closed' issues. The main section lists three milestones:

- Iteration 1**: Due by September 16, 2016. Last updated about 5 hours ago. 20% complete, 4 open, 1 closed. Description: This iteration deals with managing accounts such as Creating Account... (more). Actions: Edit, Close, Delete.
- Iteration 2**: Due by October 8, 2016. Last updated about 5 hours ago. 0% complete, 5 open, 0 closed. Description: This iteration details with maintaining friends, making calls, sending messages etc. Actions: Edit, Close, Delete.
- Iteration 3**: Due by November 11, 2016. Last updated about 5 hours ago. 0% complete, 5 open, 0 closed. Description: This iteration details will maintain groups. 1. Creating Group 2. A... (more). Actions: Edit, Close, Delete.

Below the milestones, a navigation bar includes links for Code, Issues (14), Pull requests (0), Boards, Burndown, Wiki, Pulse, Graphs, and Settings. The 'Boards' tab is active, showing a Kanban board with columns: New Issues (1/1), Icebox (2), Backlog (2), In Progress (4), Review/QA (3), Done (3), and Closed (1). Each column contains tasks with titles, assignees, and labels (e.g., bug, enhancement, help wanted, question, duplicate). For example, in the 'In Progress' column, tasks include 'Change Password/Account Details' (Iteration 1), 'View Account Information' (Iteration 1), 'Add Friends to Group' (Iteration 2), and 'Delete Group' (Iteration 3).

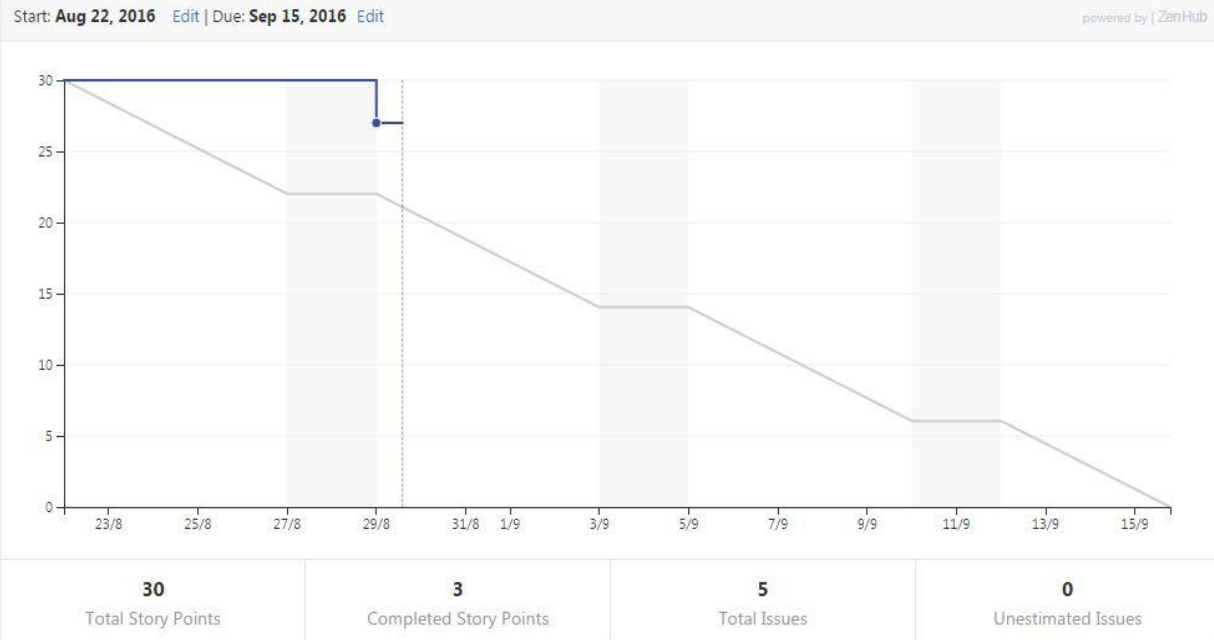
- For each milestone burndown chart is generated which represents the work that is left verses time based on number of issues and its Story Points.

## Iteration 1

[Edit Milestone](#) [Change Milestone](#)

This iteration deals with managing accounts such as Creating Account, Editing Account Details, Changing Password, Deleting Account etc.

[Hide Pull Requests](#) [Labels](#)



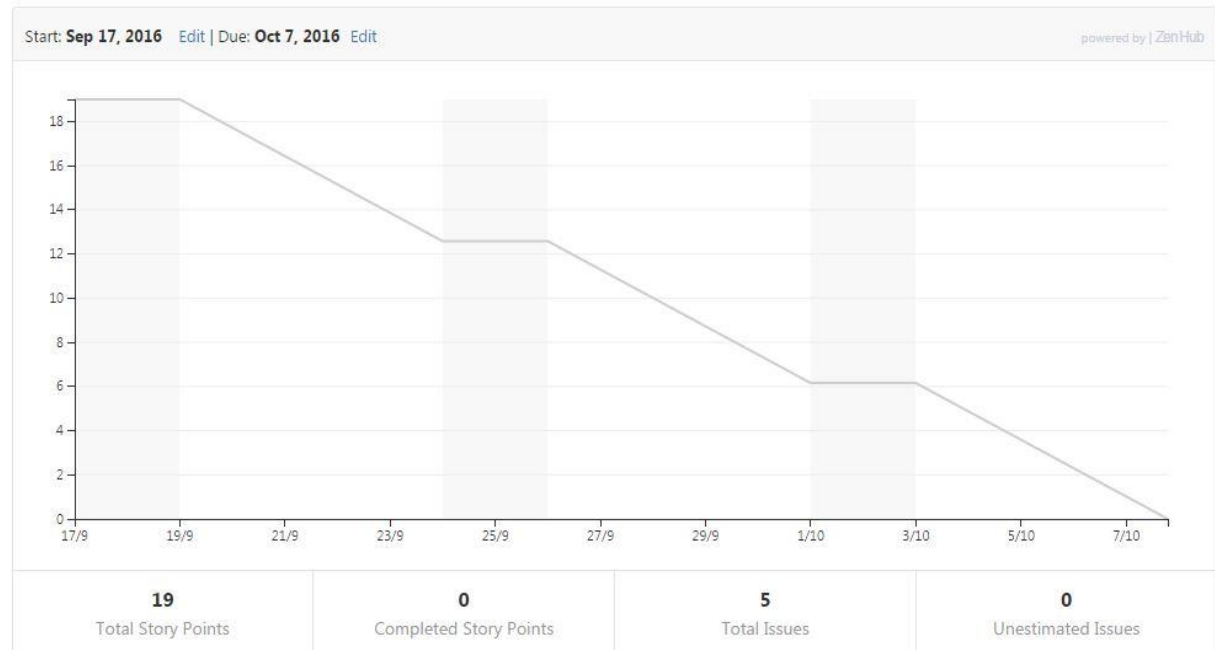
Iteration 1		
Repository	Issues	Story Points
ASE-Lab-Assignments	<a href="#">#14 Delete Account</a>	8
ASE-Lab-Assignments	<a href="#">#3 Change Password/Account Details</a>	8
ASE-Lab-Assignments	<a href="#">#2 View Account Information</a>	8
ASE-Lab-Assignments	<a href="#">#4 Send Message</a>	3
ASE-Lab-Assignments	<a href="#">#1 Create Account</a>	3

## Iteration 2

This iteration details with maintaining friends, making calls, sending messages etc.

[Edit Milestone](#) [Change Milestone](#)

[Hide Pull Requests](#) [Labels](#)



Iteration 2		
Repository	Issues	Story Points
ASE-Lab-Assignments	<a href="#">#13 Logout</a>	5
ASE-Lab-Assignments	<a href="#">#6 Send Message</a>	5
ASE-Lab-Assignments	<a href="#">#5 Maintain Friend Requests</a>	5
ASE-Lab-Assignments	<a href="#">#15 Make Video Call</a>	2
ASE-Lab-Assignments	<a href="#">#10 Make a call</a>	2

## Iteration 3

[Edit Milestone](#) [Change Milestone](#)

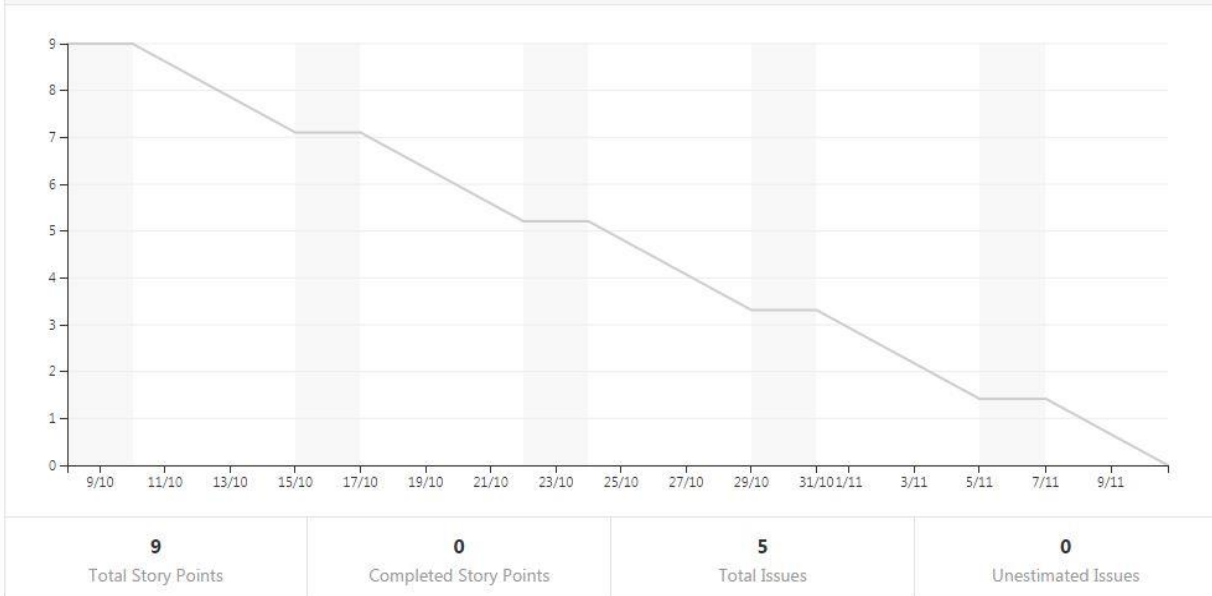
This iteration details will maintain groups.

1. Creating Group
2. Adding friends to Group
3. Deleting Group
4. Sending media files to group

[Hide Pull Requests](#) [Labels](#)

Start: **Oct 8, 2016** [Edit](#) | Due: **Nov 10, 2016** [Edit](#)

powered by | ZenHub



### Iteration 3

Repository	Issues	Story Points
ASE-Lab-Assignments	<a href="#">#12 View Chat History</a>	3
ASE-Lab-Assignments	<a href="#">#11 Delete Group</a>	3
ASE-Lab-Assignments	<a href="#">#9 Send Media Files</a>	1
ASE-Lab-Assignments	<a href="#">#8 Add Friends to Group</a>	1
ASE-Lab-Assignments	<a href="#">#7 Create Group</a>	1

### 3) Creating Wiki page through Github

<https://github.com/cmoulika009/ASE-Lab-Assignments/wiki/ASE-Lab-Assignment-1>

## ASE Lab Assignment 1

Moulika Chadalavada edited this page 2 minutes ago · 11 revisions

### LAB ASSIGNMENT 1

- Lab Assignment #1 mainly concentrates on usage of tools like GitHub, ZenHub, Creately, Visio etc.
- New repository ASE-Lab-Assignments is created in GitHub and this repository is cloned from remote to local machine.
- Class Diagram is created for Chat Application Process using Creately.
- Using both GitHub and Zenhub Board, 3 Milestones with 5 tasks each are created
- Burndown graphs are generated for each Milestone.
- Under ASE-Lab-Assignments repository two folders Source and Documentation are created in local and the class diagrams and chats are place under Documentation folder.
- Again from local machine the changes are cloned to remote GitHub.
- All the above details are documented in below link.

[Lab #1 Documentation](#)

#### 4) Create GitHub Account. Create a repository in remote Github. Clone it to local machine.

- New repository ASE-Lab-Assignments is created in remote Github and is cloned to local machine.
- Two folders Source and Documentation is created and the Lab-1 Assignment documentation is placed in Documentation folder.
- All these changes done in local machine is cloned to remote GitHub.

