

CS551-ADVANCED SOFTWARE ENGINEERING

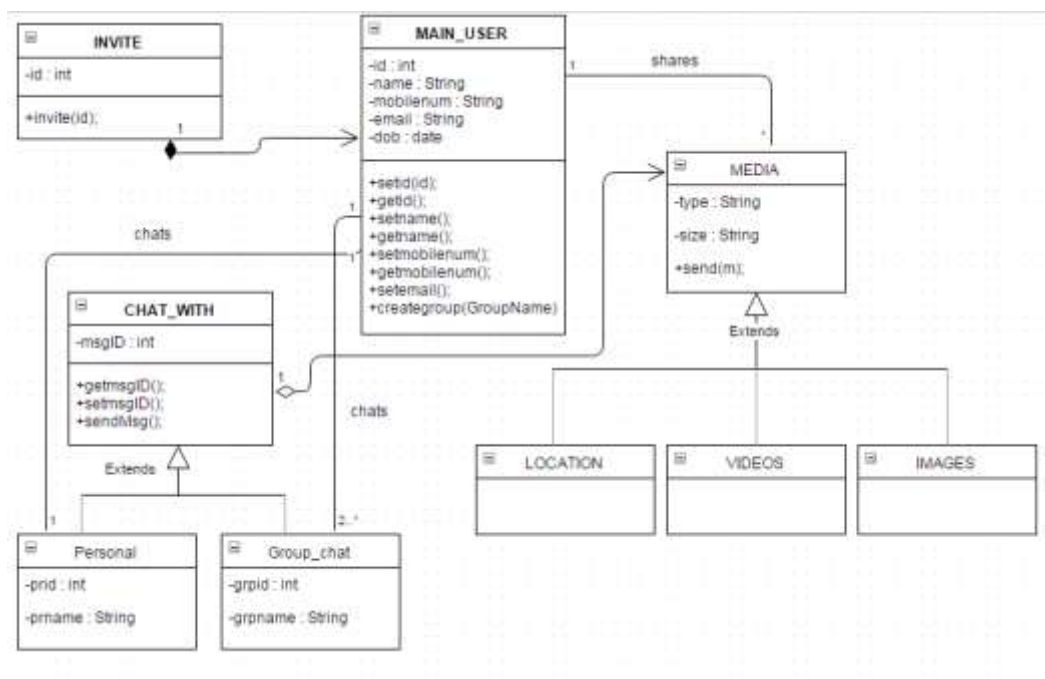
Dr. Yugyung Lee

ASSIGNMENT-1

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1.

UML DIAGRAM FOR CHAT APPLICATION:



1. Main user class is the user class which has main functions like Creating a Group and Inviting friends to group.
2. Media class is the parent class and they are inherited by Location, Videos and Images classes.
3. Chat With class has been inherited by Personal and Group_chat classes.
4. Main_user and Media has a association relation with 1 to * multiplicity.
5. Main_user and Personal has a association relation with 1 to 1 and Group has 1 to 2..*.
6. Media and Chat_with has a aggregation relation.
7. Main_user and Invite has composition relation.

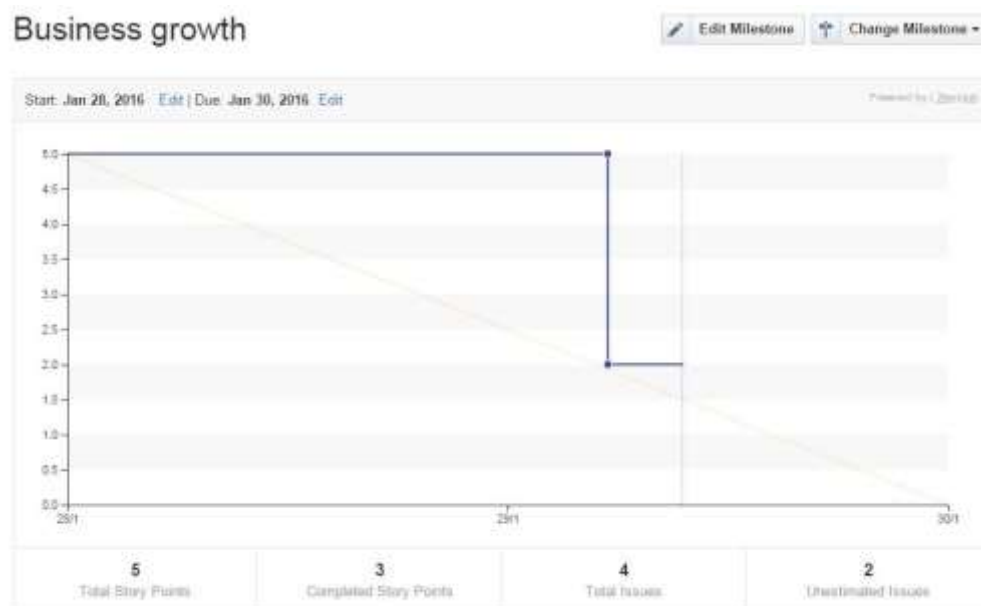
2.

Three iterations have been created. Each iteration consists of 4-5 tasks. They are as follows-

- i) **Business Growth** : This includes the various tasks need to be done like Installing Load Balancer, Run email campaigns, Listing available representatives etc
- ii) **Validation** : The tasks include Validate capture challenge, Validate user registration form, SQL injection and so on.
- iii) **Customer Experience**: This milestone is set to fix the bugs and enhance the view to the customers. The tasks include Place ads based on user behaviour, Prevent invalid form submission, User login redirection issue etc.

The analytics graphs for the above 3 milestones are shown below.

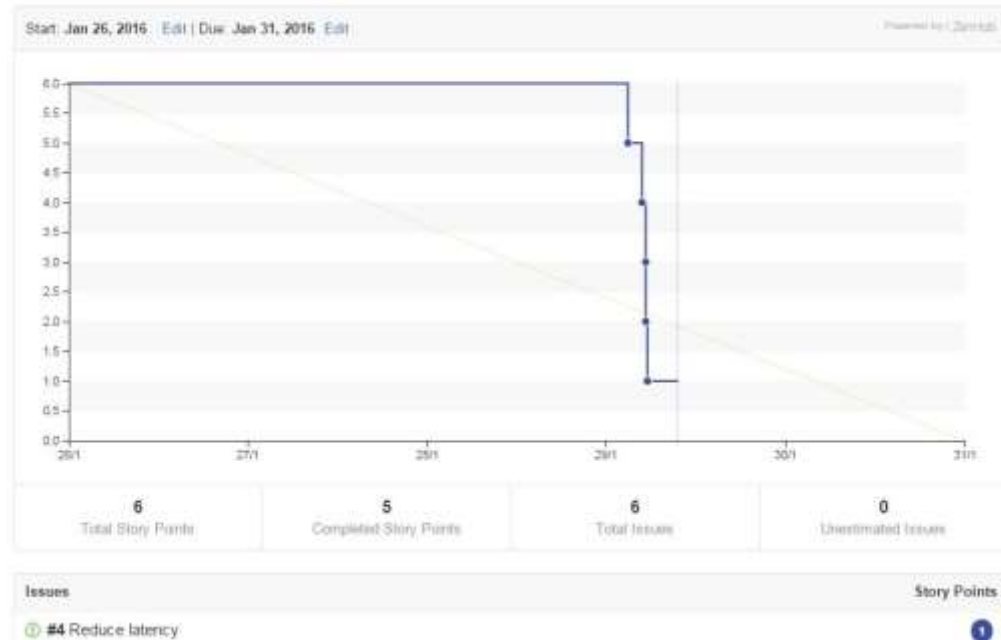
a)



b)

Validations

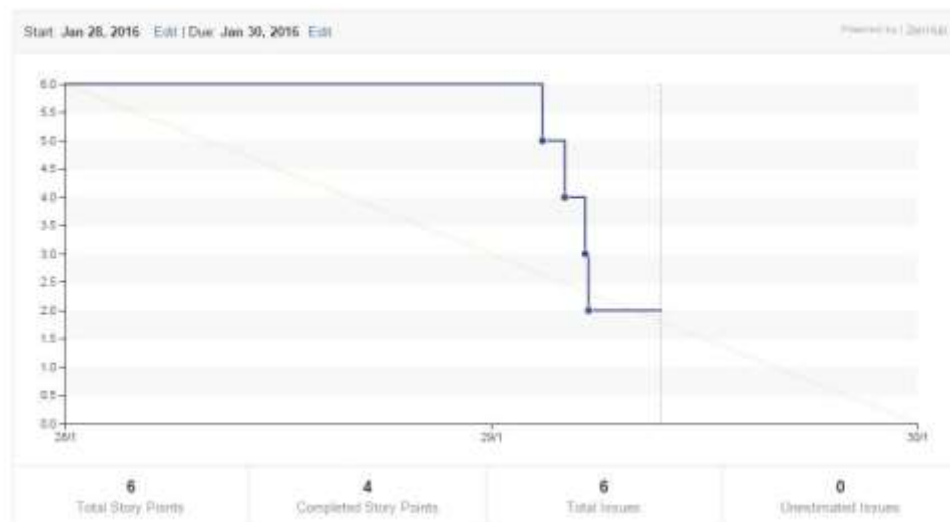
[Edit Milestone](#) [Change Milestone](#)



c)

Customer experience

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



3) In GitHub, a repository has been created named “assil”. In this repository two directories are created namely “Source” and “Documentation”. The directory can be created by using following steps

- `md <directory name>`
- Then to add the directory to the queue, we use – `git add <directory name>`
- Next commit it by using – `git commit -m “comment”`
- To push the directory, - `git push`