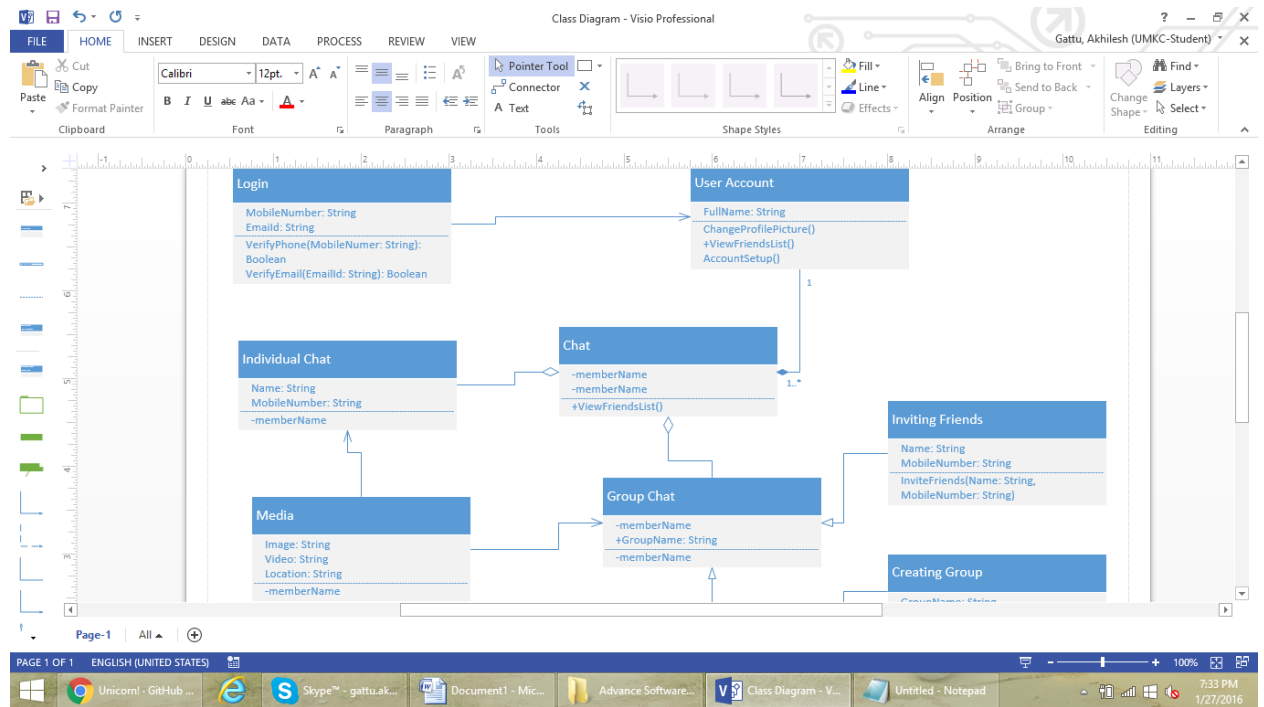1) **Class Diagram:-** The class diagram for chat application has 8 classes.
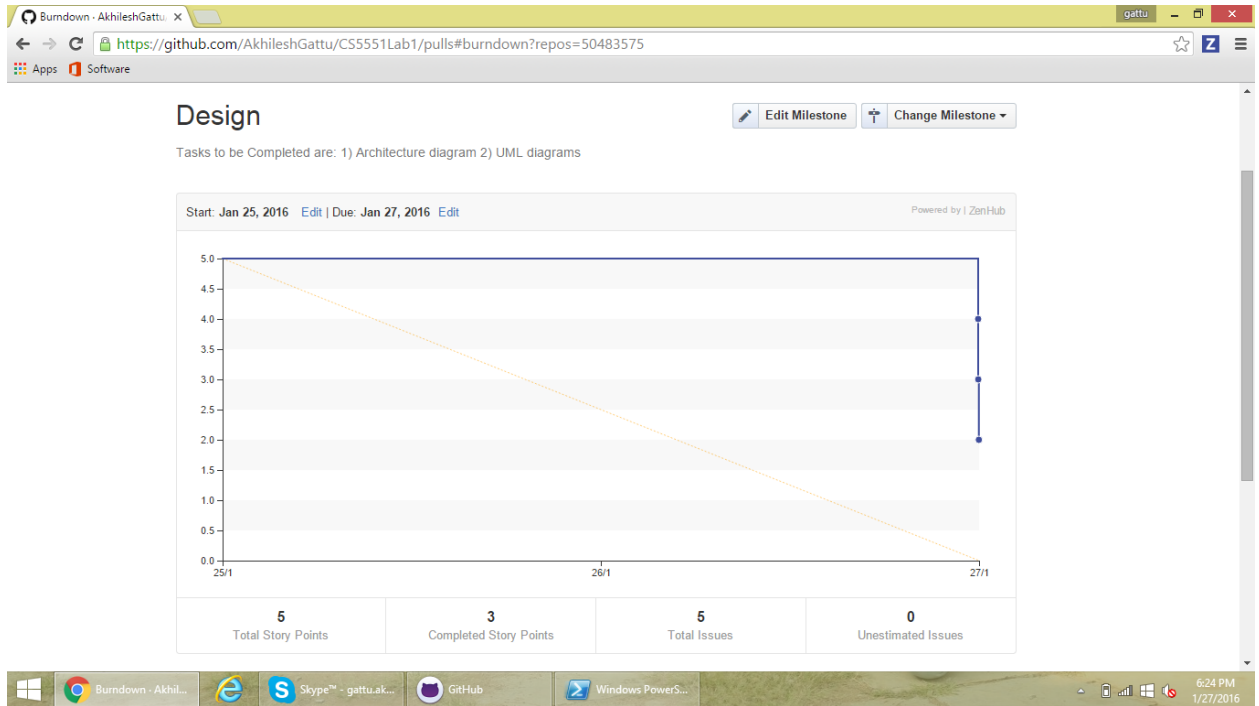
- **Login:-** Login class will describe about the login page, validation of the input and creating the account if required.
- **User Account:-** This class will hold the information about the user. Through this class we can update the profile picture of the user, set up the account details and can also view the list of friends.
- **Chat:-** This class is aggregation of "Individual Chat" and "Group Chat" classes.
- **Individual Chat:-** This class will have all the attributes and methods that are required for Individual chat
- **Group Chat:-** This class is parent class for "Creating Group" and "Inviting Friends" classes.
- **Creating Group:-** This class helps in creating the group with a particular name.
- **Inviting Friends:-** This class is used to invite friends, to the group, with the name or Mobile Number of the respective friend.
- **Media:-** This class is used to send images, videos, location, etc..

Class Diagram Screenshot

2) **ZenHub Tool Account:-** Created 3 iterations namely Design, Coding and Testing and Presentation. Created 5 tasks per iteration.

3) **GitHub Account:-** Created two directories namely "Source" and "Documentation". The Documentation directory will have the class diagram and the "Burn Down" graphs of the three iterations.

Burn down graph for Design Iteration

Burn down graph for Coding Iteration

Burn down graph for Testing and Presentation Iteration