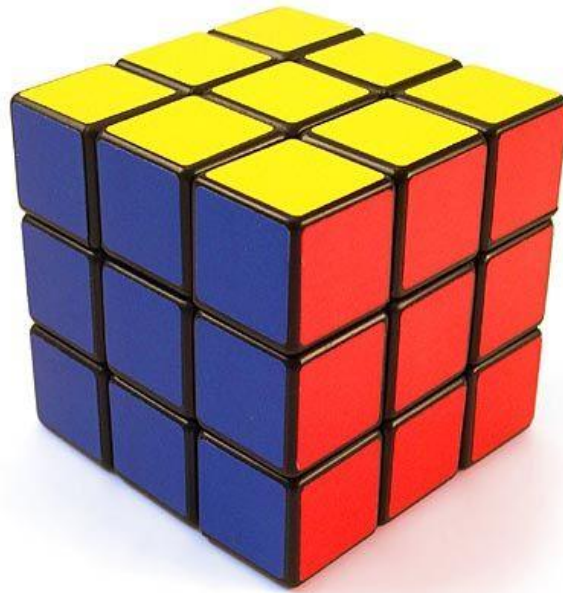


Project Final Report

Fall 2017, CS5551-Advanced Software Engineering

Department of Computer Science Electrical Engineering

University of Missouri- Kansas city



RUBIX

Team Members

Lakshmi Vyshnavi Perla

Bhargavi Sandhya Podile

Kamal Tej Veerapaneni

Vinay Maturi

Video URL: <https://www.youtube.com/watch?v=8kLqqrkqtBE>

Github URL: <https://github.com/VyshnaviPerla/RUBIX>

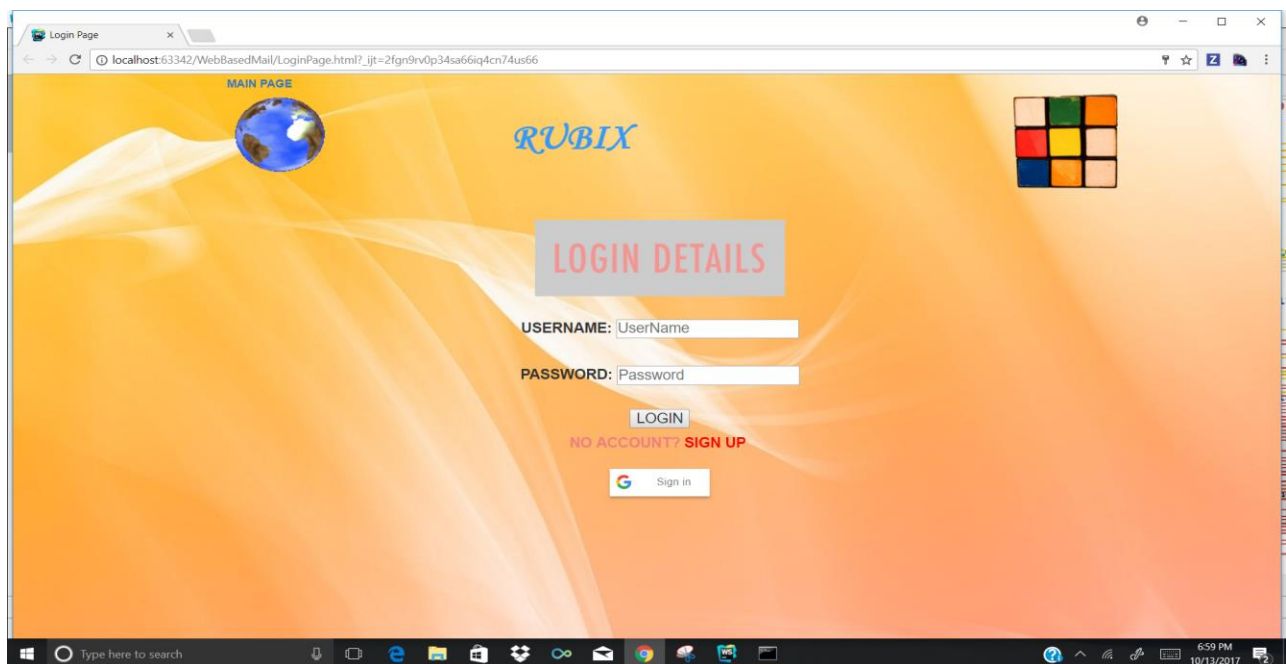
Introduction

To make the interaction between students and professor easy and increase the involvement of students with discussion about the academic topics with the professor. This makes the professor's work easy by interacting with different section of students.

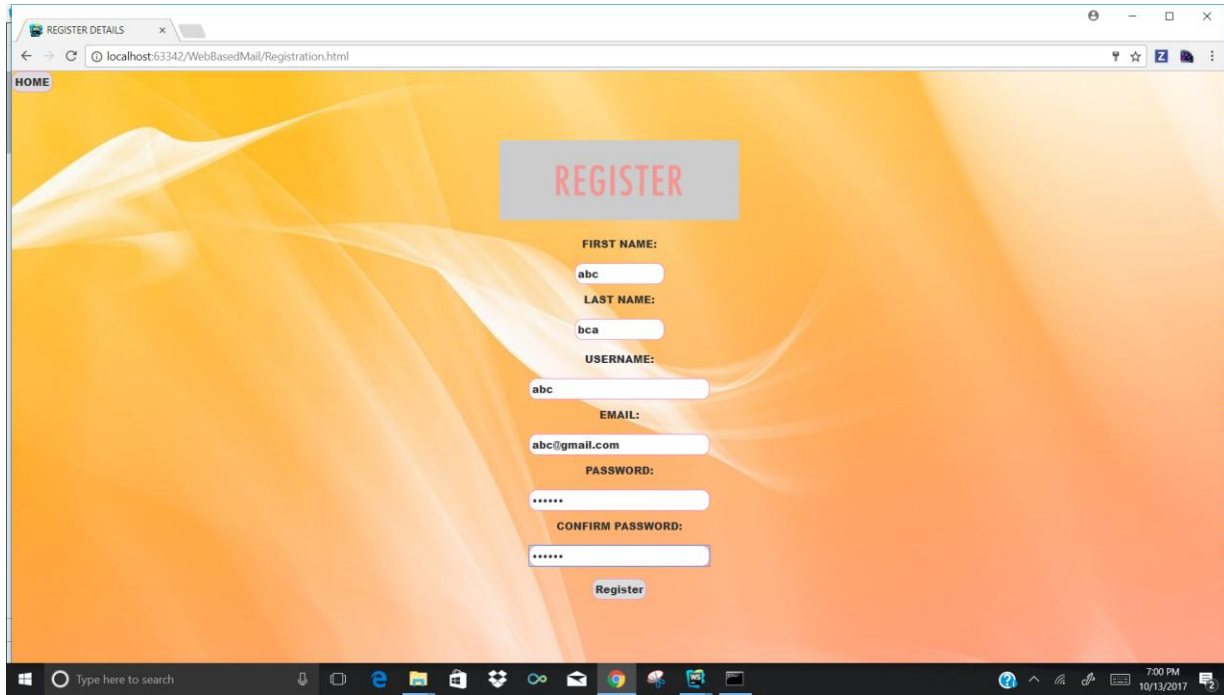
Application Deployment

The implementation of the website works as follows.

HOME PAGE



Registration Page



A screenshot of a web browser displaying the 'REGISTER DETAILS' page. The page has an orange background with a white wavy pattern. A 'HOME' link is in the top left. A 'REGISTER' button is at the top center. Below it are input fields for 'FIRST NAME:' (abc), 'LAST NAME:' (bca), 'USERNAME:' (abc), 'EMAIL:' (abc@gmail.com), 'PASSWORD:' (*****), and 'CONFIRM PASSWORD:' (*****). A 'Register' button is at the bottom.

REGISTER DETAILS

HOME

REGISTER

FIRST NAME:
abc

LAST NAME:
bca

USERNAME:
abc

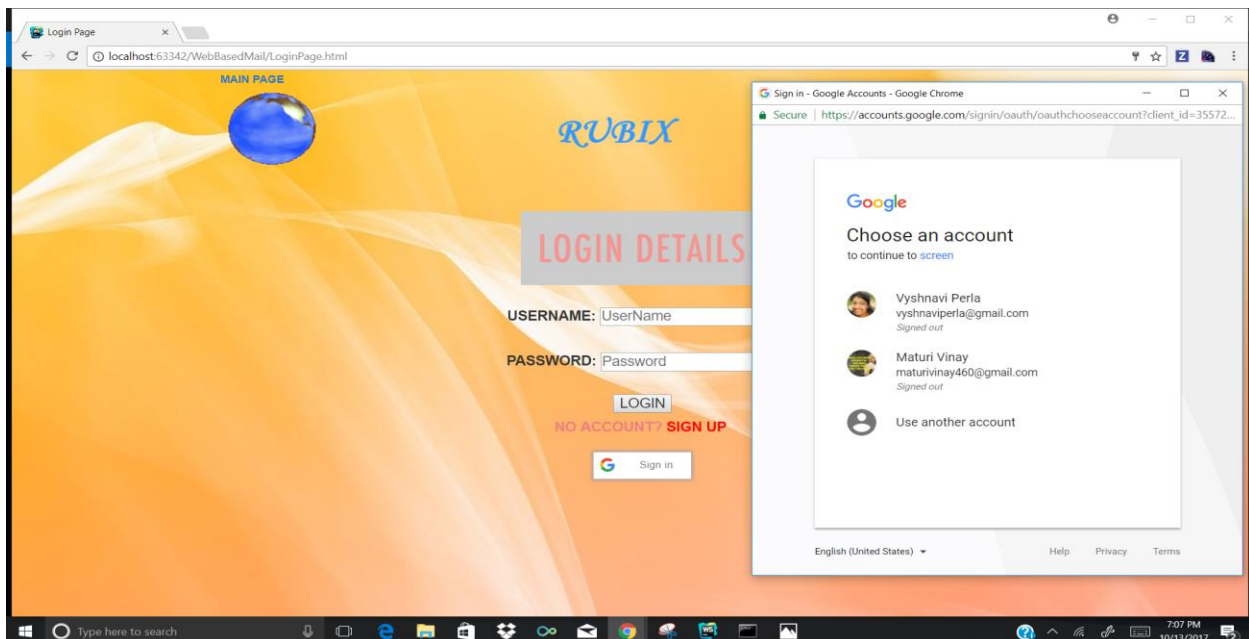
EMAIL:
abc@gmail.com

PASSWORD:

CONFIRM PASSWORD:

Register

G-Mail Oath Login



A screenshot of a web browser displaying the 'Login Page' for RUBIX. The page has an orange background with a white wavy pattern. A 'MAIN PAGE' link is in the top left. A 'LOGIN DETAILS' button is at the top center. Below it are input fields for 'USERNAME:' (UserName) and 'PASSWORD:' (Password). A 'LOGIN' button is at the bottom. Below the 'LOGIN' button is a link 'NO ACCOUNT? SIGN UP'. A 'Sign in' button with the Google logo is at the bottom.

MAIN PAGE

RUBIX

LOGIN DETAILS

USERNAME: UserName

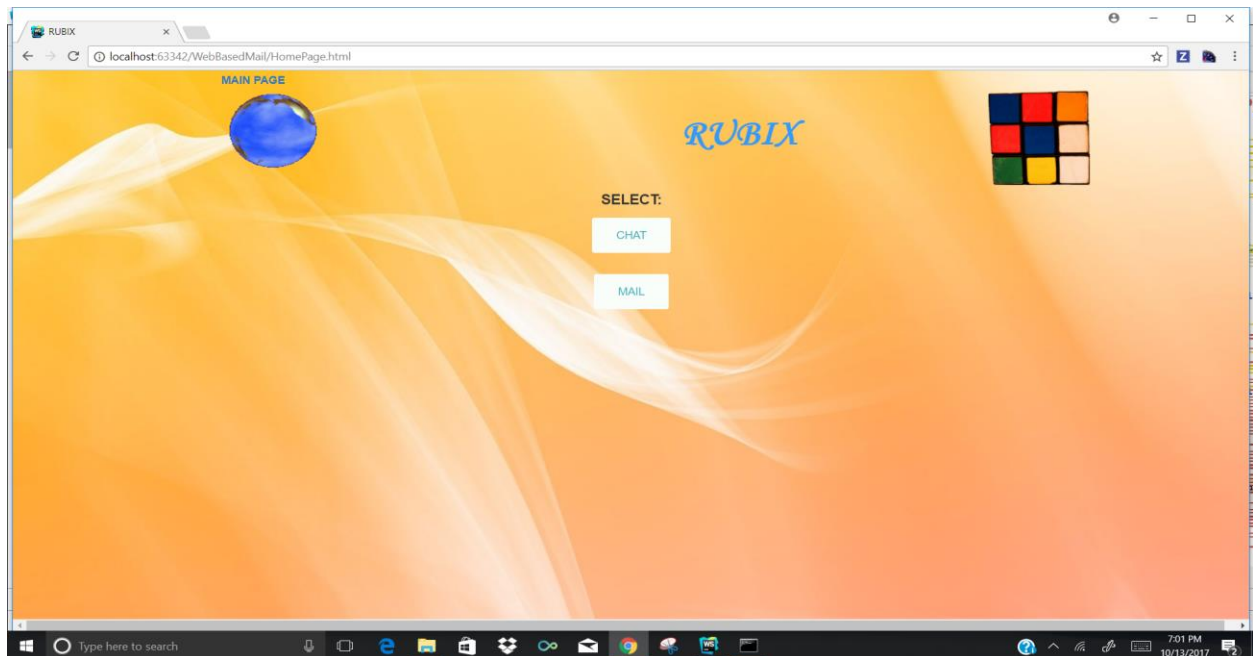
PASSWORD: Password

LOGIN

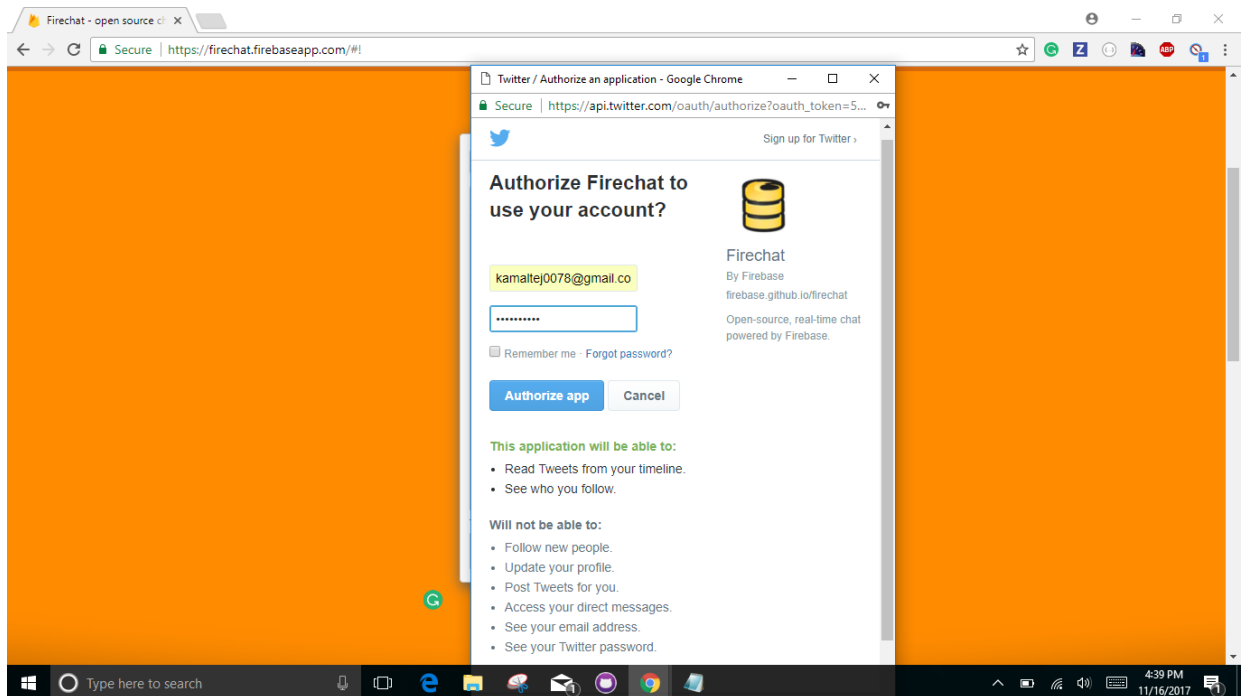
NO ACCOUNT? SIGN UP

Sign in

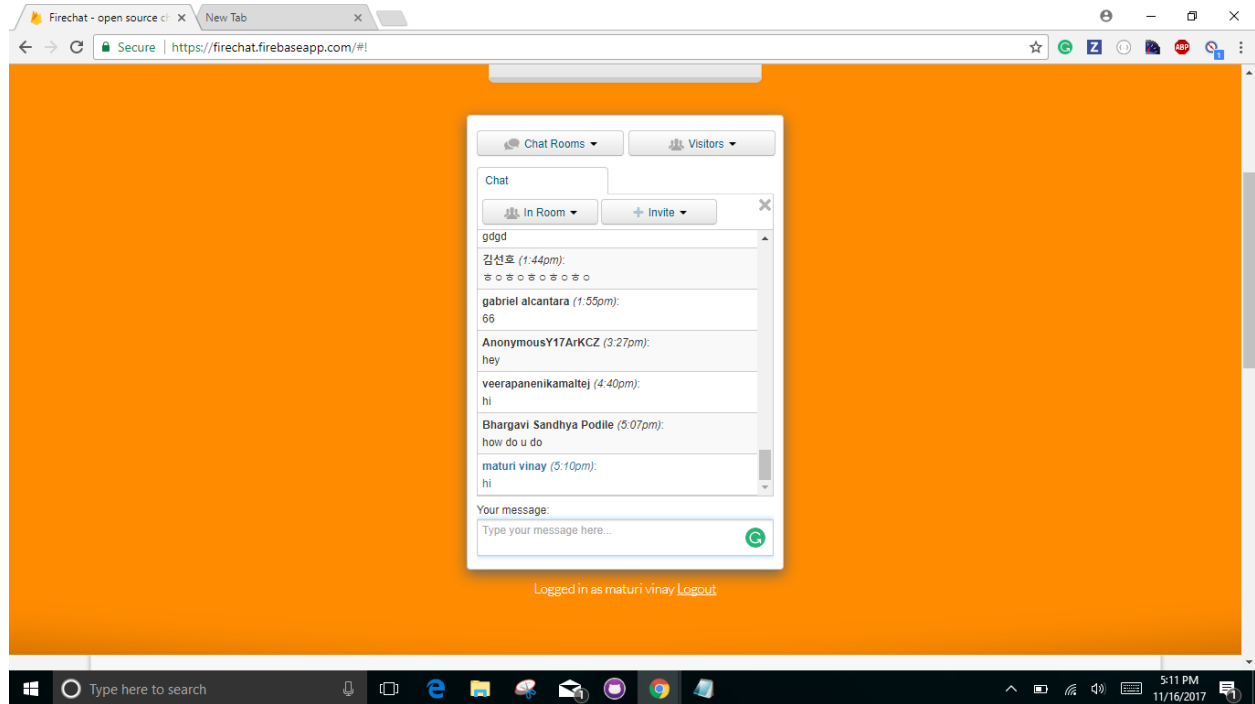
Home Page after login



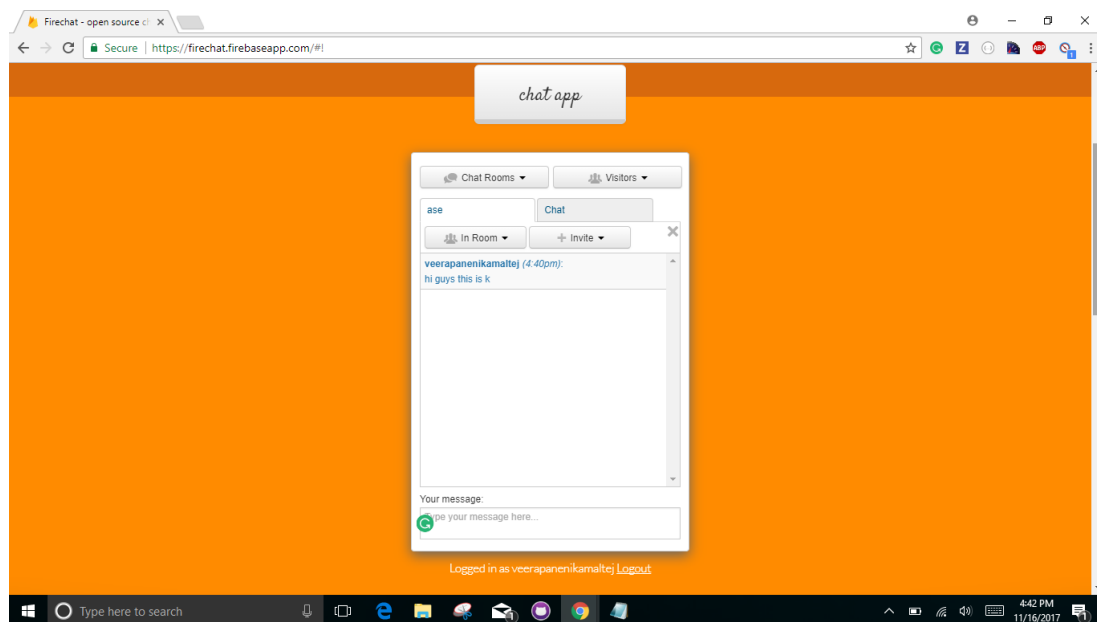
The Twitter Authentication for Application Login



Home Page of the application looks as follows.



Chat room creation looks as follows.

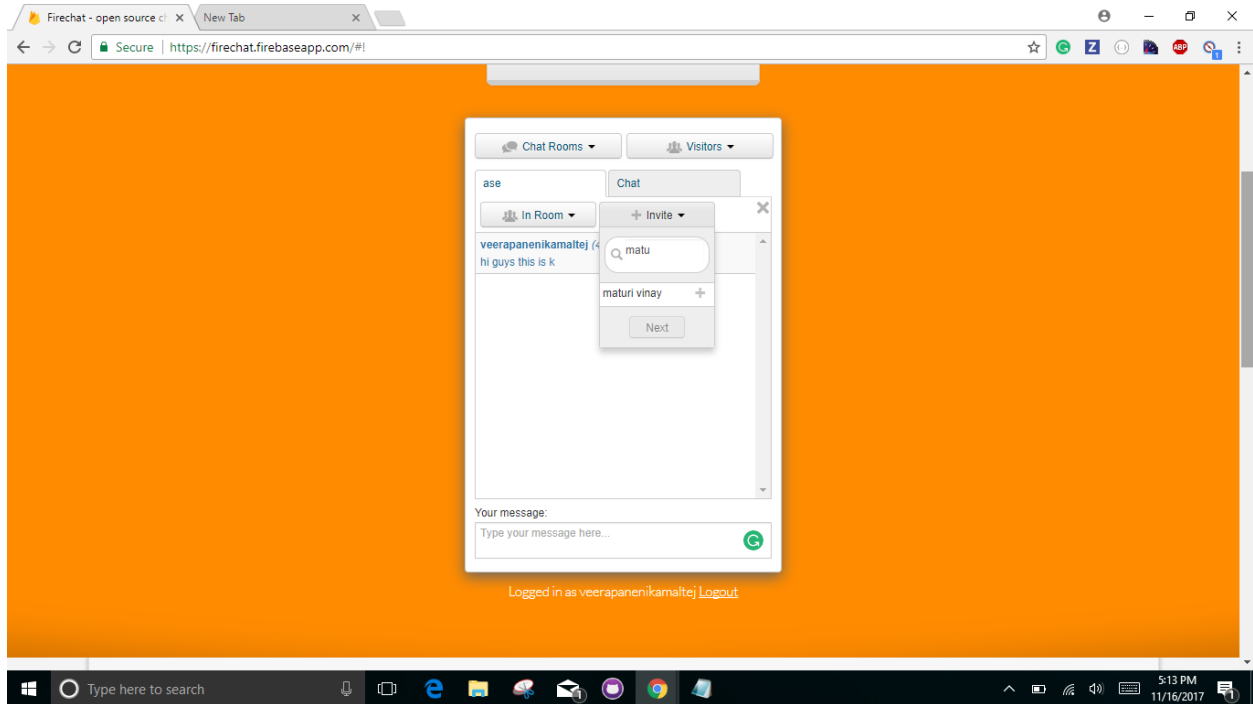


The chat room can be created in the application as above for respective classes.

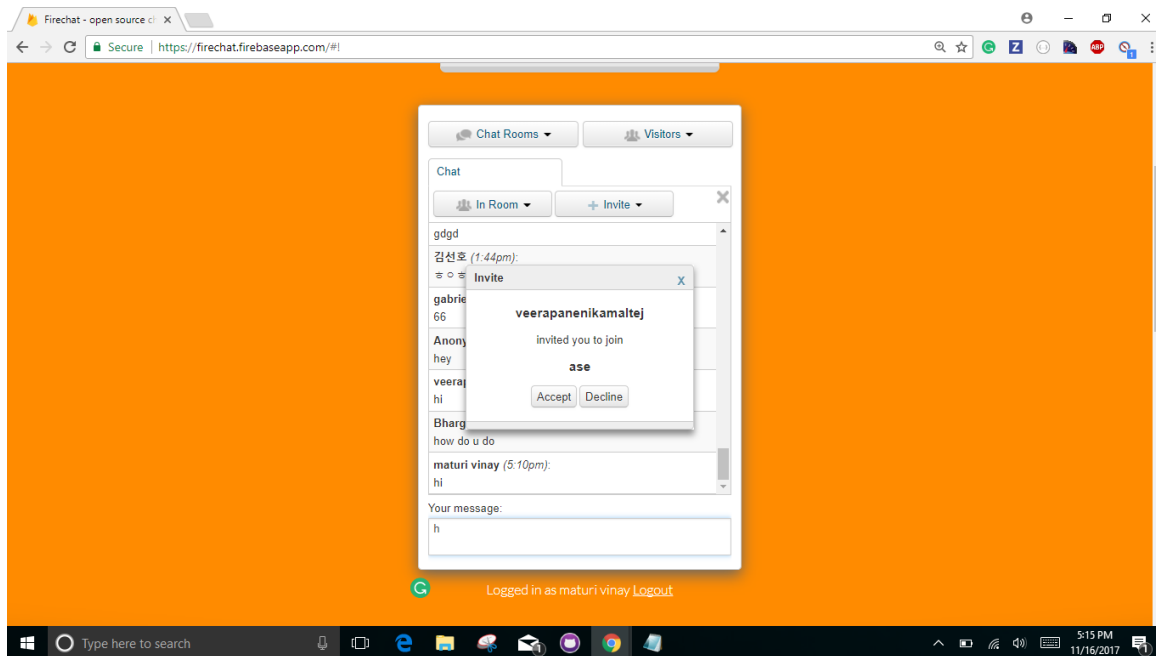
The group admin can add the desired people into the respective chat room

by giving invites to them.

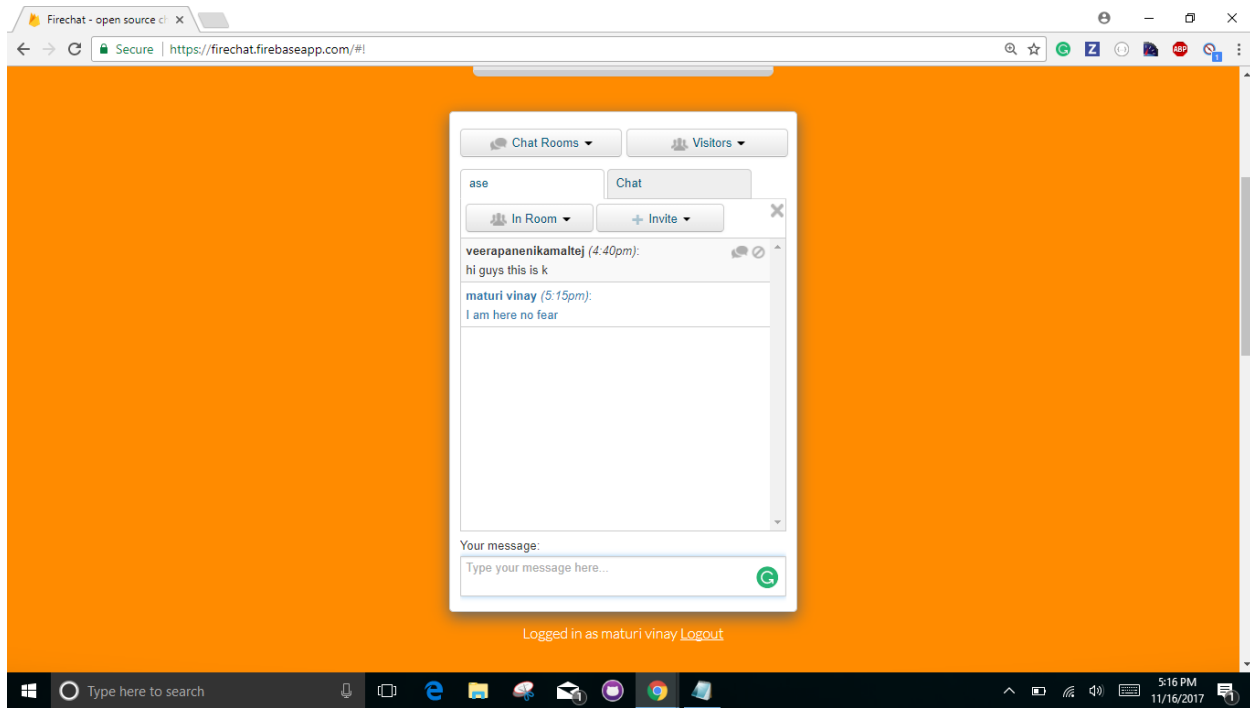
Inviting people to the Chat Room

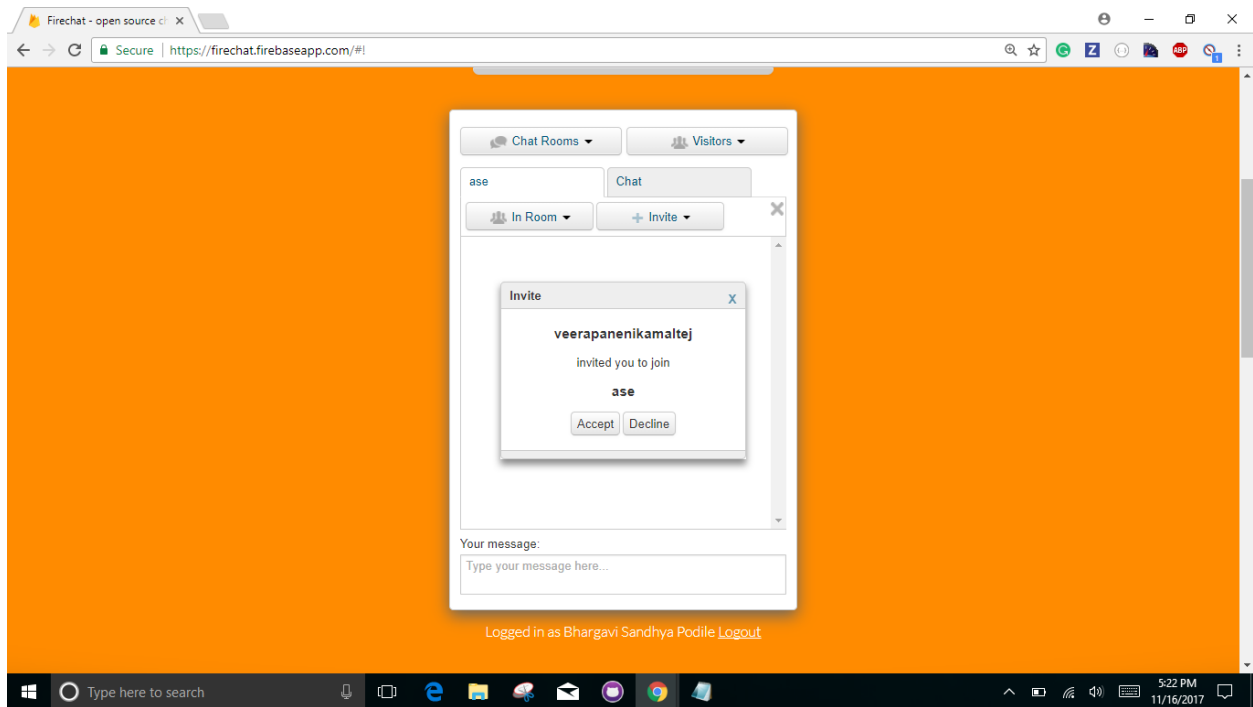


Invitation to the recipient looks as follows.

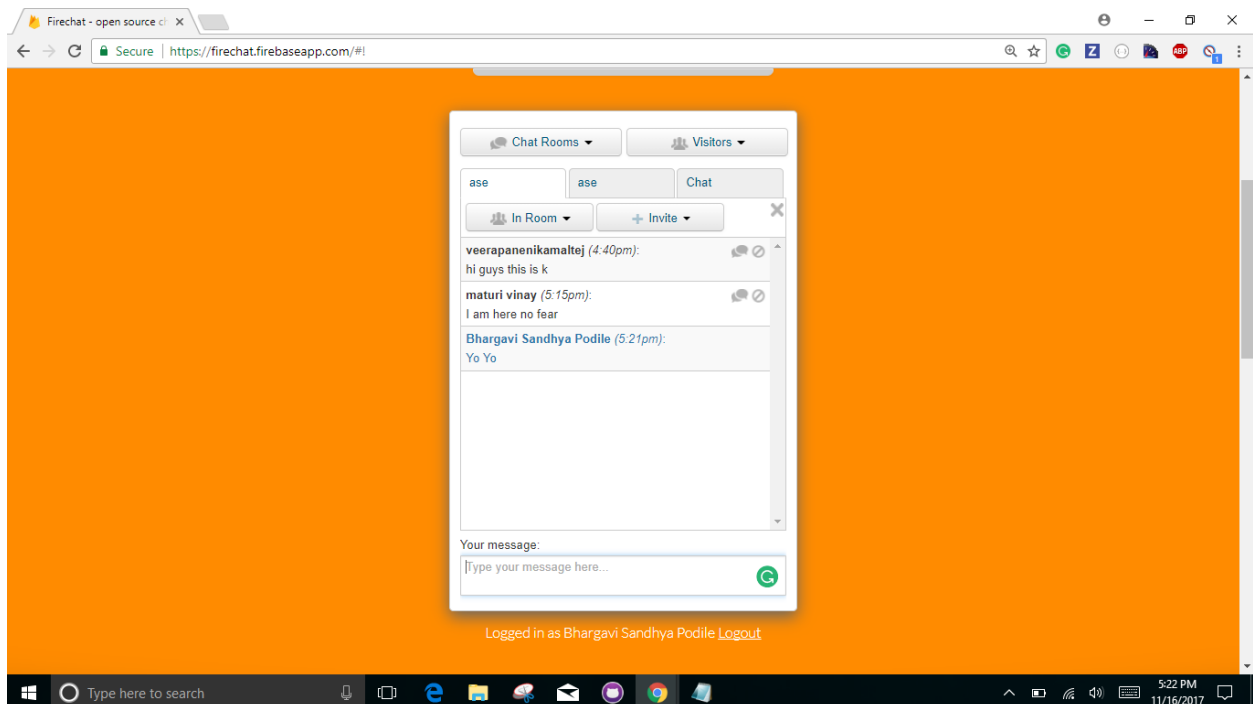


Invitation for New Member



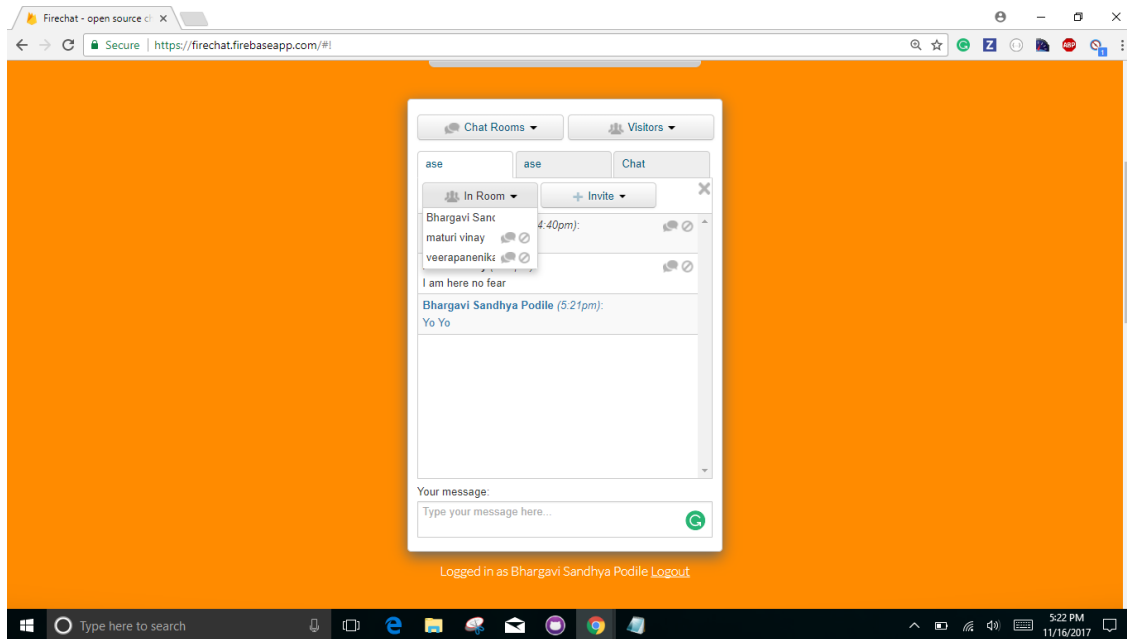


The chat begins as follows once the desired members are added to the group.



Blocking a person from the chat room.

The admin can block the persons according to the admin's interest. Blocking of the person looks as follows.



The symbol to the right side of the person's name is the symbol which
Will allow the admin to block the respective person from the chat room.

Project Management

ISSUES:

The screenshot displays the ZenHub web application interface for a project named 'RUBIX'. The browser's address bar shows the URL: <https://app.zenhub.com/workspace/o/vyshnaviperla/rubix/boards?repos=104532215>. The interface includes a top navigation bar with tabs for 'Issues', 'Board', and 'Repos'. Below this, a secondary navigation bar shows 'Boards', 'Reports', 'Milestones', and 'Notifications'. The main workspace features a Kanban board with columns for 'New Issues', 'NEW ISSUE', 'In Progress', 'Review/QA', 'Done', and 'Closed'. The 'Closed' column is currently active, displaying a list of issues with their titles and status icons. A 'New Issue' button is located in the top right corner of the board area. The bottom of the screen shows a Windows taskbar with various application icons and the system clock indicating 8:43 PM on 9/22/2017.

Issues - Vyshnaviperla/ x Board - Vyshnaviperla/ x Board - Vyshnaviperla/ x New Tab Search x zenhub burndown ch x COMP-SCI 5551 0001- x New Tab Search x

Secure | <https://app.zenhub.com/workspace/o/vyshnaviperla/rubix/boards?repos=104532215>

RUBIX ☆ Invite +

Boards Reports Milestones Notifications

Repos (1/1) Show one Labels Milestones Assignees Epics Releases Search New Issue +

0 Issues - 0 Story Points
New Issues

0 Issues - 0 Story Points
NEW ISSUE

0 Issues - 0 Story Points
In Progress

0 Issues - 0 Story Points
Review/QA

0 Issues - 0 Story Points
Done

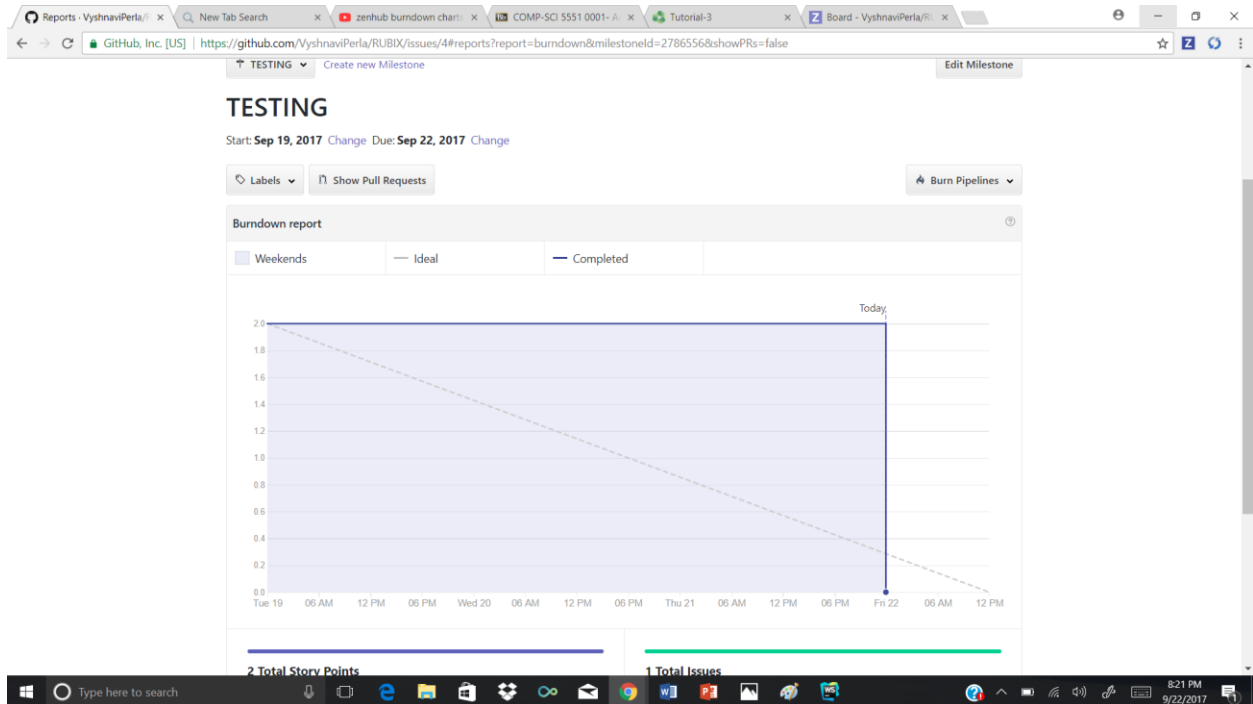
10+ Issues - 23 Story Points
Closed Add a Pipeline

- RUBIX #7 HOME PAGE
- RUBIX #6 REGISTRATION PAGE
- RUBIX #1 requirement gathering
- RUBIX #5 LOGIN PAGE
- RUBIX #2 WIRE FRAME DESIGN
- enhancement
- RUBIX #3 UML DIAGRAMS

Type here to search 8:43 PM 9/22/2017

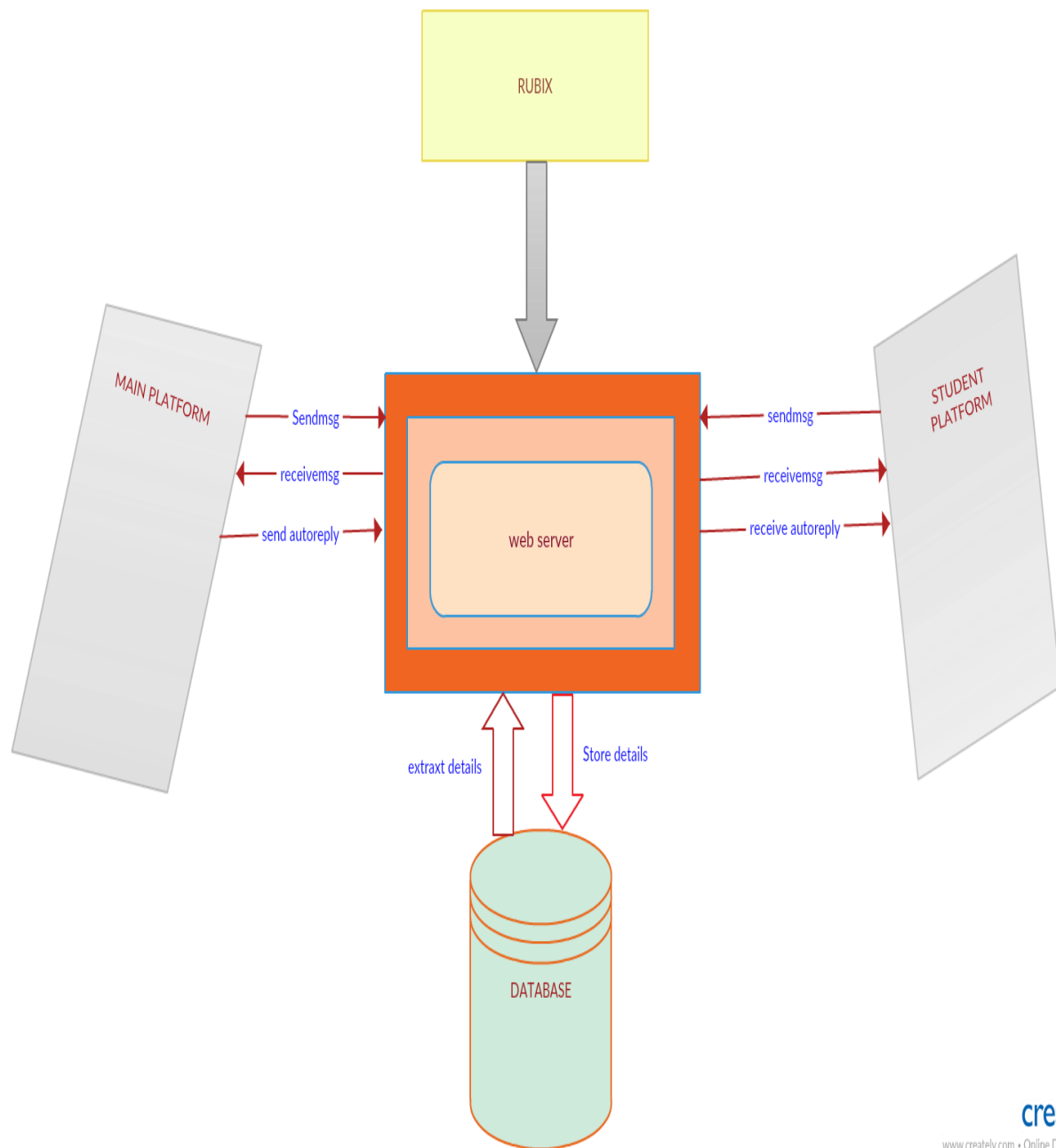
Burndown Chart:

Fin

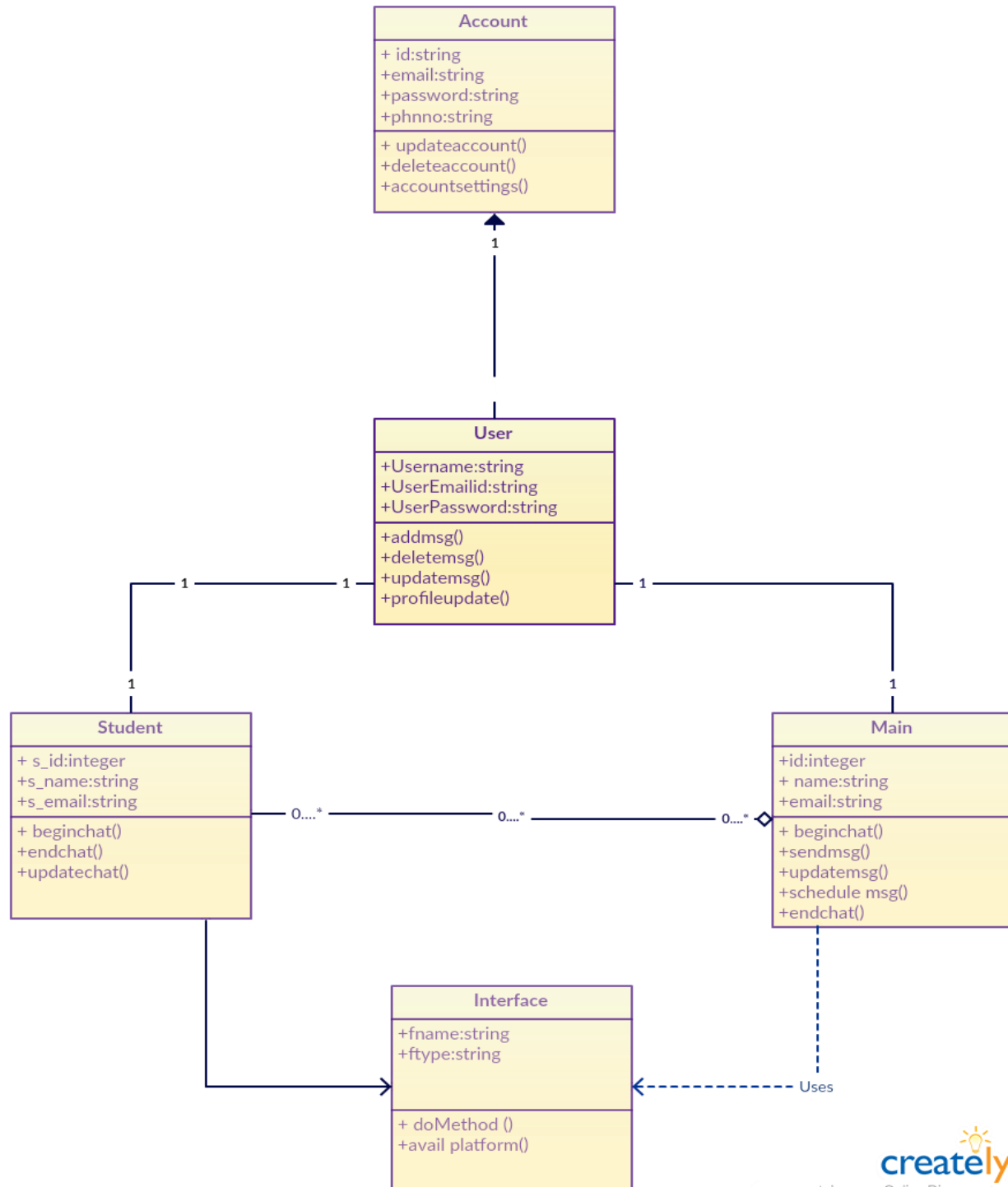


Project Proposal

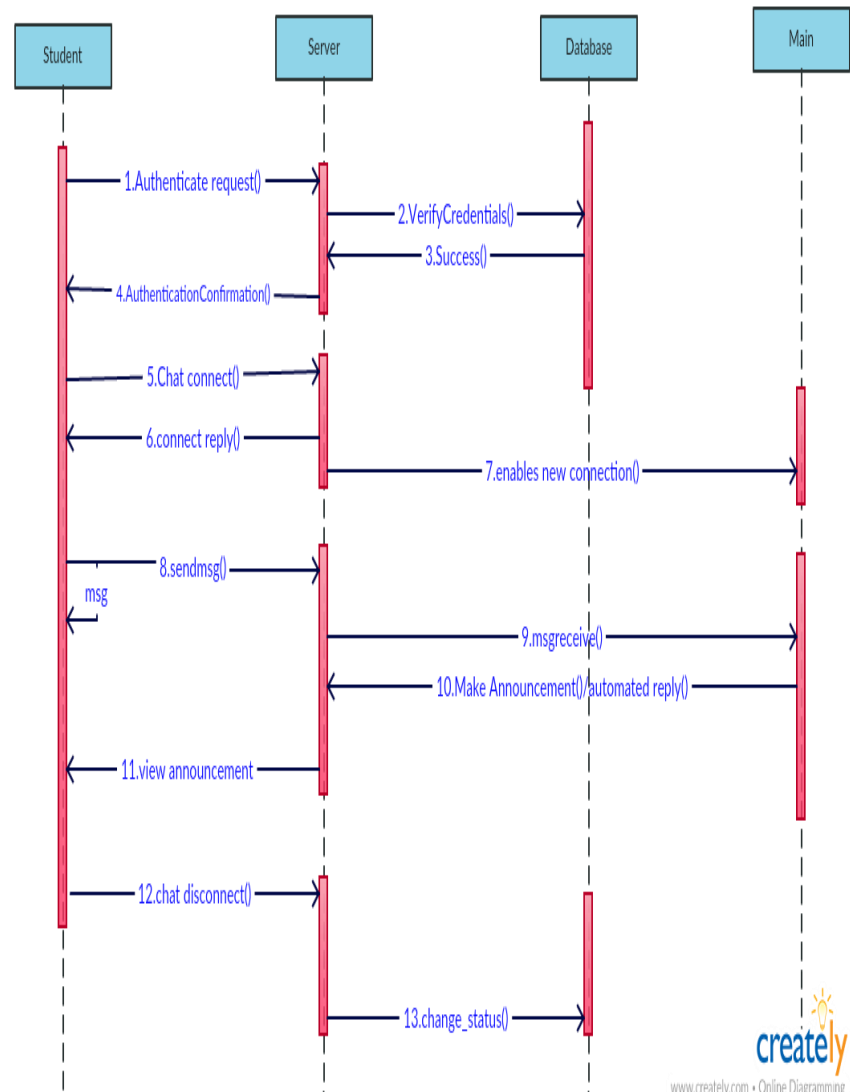
Architectural Diagram



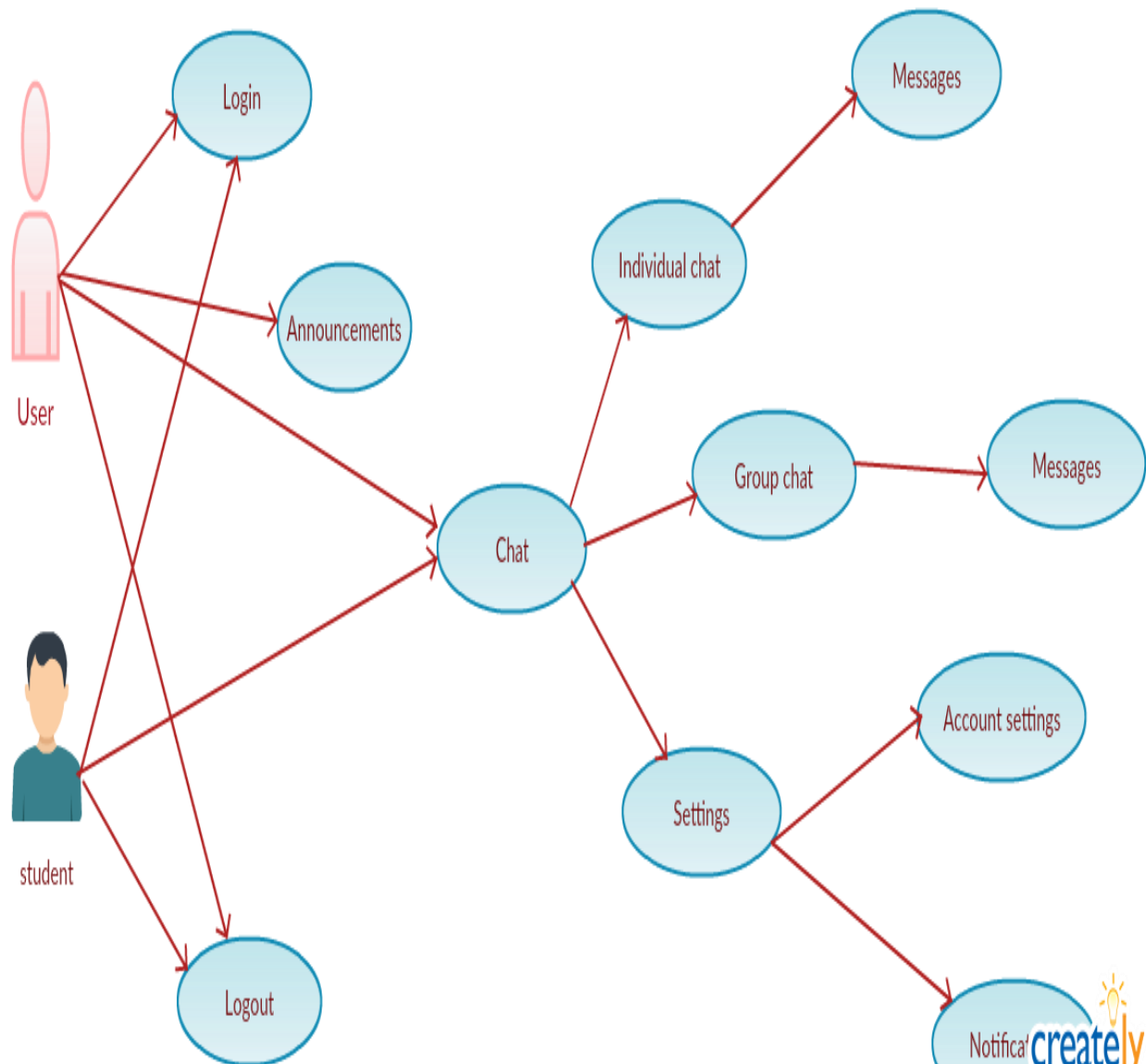
Class Diagram



Sequence Diagram



Use Case Diagram



User Stories

1. As a user, I want to Login, so that I can ask queries
2. As Main, I want to Login and check the notifications about the doubts from students.
3. As a user, I want to chat with main to ask doubts, so that I can get my problem rectified by the professor in that particular chat room.
4. As a main, I want to view incoming chat messages, so that I can respond to student's queries for respective classes
5. As a main, I want to post important announcements in a particular group, so that I can let students know about it.
6. As a Student, I want to view announcements, so that I can follow main announcements.

First Increment Report:

Implementation:

In first increment we have implemented the following features.

- 1)Oath Login
- 2)Home page after login

First increment Git:

<https://github.com/VyshnaviPerla/RUBIX/tree/master/PROJECT%20I-1>

Second Increment Report:

Implementation:

In second increment we have implemented the following features.

- 1) Chat Environment for users.
- 2) Creation of basic chat rooms simultaneously.

Second Increment Git:

<https://github.com/VyshnaviPerla/RUBIX/tree/master/Increment-2>

Third Increment Report:

Implementation:

In third increment we have implemented the following features.

- 1) Authorization for the admin for inviting the new members.
- 2) Blocking and adding members to the chat rooms by the admin.

Third Increment git:

<https://github.com/VyshnaviPerla/RUBIX/tree/master/increment-3>

Fourth Increment Report

Implementation:

In fourth increment we have implemented the following features.

- 1) Users can create chat rooms in their logins as users can login through Twitter.
- 2) Admins can block the members in the group with ease.

Fourth Increment Git:

<https://github.com/VyshnaviPerla/RUBIX/tree/master/increment%204>

Technologies Used

- HTML
- CSS
- JavaScript
- Firebase

Contributions

1. **Firestore Platform** : Kamal Tej Veerapaneni , Lakshmi Vyshnavi Perla, Bhargavi Sandhya Podile , Vinay Maturi
2. **Testing** -Bhargavi Sandhya Podile,Kamal Tej Veerapaneni,Maturi Vinay,Lakshmi Vyshnavi Perla
3. **Designing**-Lakshmi Vyshnavi Perla,Bhargavi Sandhya Podile,Vinay Maturi,Kamal Tej Veerapaneni
4. **G-mail OAuth** :Vinay Maturi,Lakshmi Vyshnavi Perla,Kamal Tej Veerapaneni,Bhargavi Sandhya Podile
5. **Chat Room Creation** :Vinay Maturi,Lakshmi Vyshnavi Perla,Kamal Tej Veerapaneni,Bhargavi Sandhya Podile

BIBLIOGRAPHY

- 1.www.wikipedia.org
- 2.www.firebase.com
- 3.developers.google.com