

Milestone 3 Report

Team "Wings of Freedom" - Group 8

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Planning and Scheduling

Team Wings of Freedom have conducted a scrum meeting to plan and schedule the events of developing the project and estimated the efforts by COCOMO as follows.

$$\text{Effort} = 2.4 \times (3)^{1.05} = 7.60 \text{ Person Month}$$

With 2 members in the team, we can complete the project in 4 months. By following Agile planning method, we have the following **Gantt chart** with the respective points for the user stories.



The plan and allocation have been done using the *Jira software*. As the Gantt chart says, the project includes milestones and go up to April 16th of 2023. The following are the screenshots of the **Backlogs from the Agile plan** that is done.

Backlog

...

HJ YE
Epic
Type
Insights

WOF Milestone 3
5 Mar – 6 Mar
(4 issues)
0 0 0
Complete sprint

☒
WOF-8
Schedule the project development
PLANNING AND CLASS DIAGRAM
IN PROGRESS
HJ

☒
WOF-9
Prepare a report
PLANNING AND CLASS DIAGRAM
IN PROGRESS
HJ

☒
WOF-10
Prepare a class diagram
PLANNING AND CLASS DIAGRAM
DONE
YE

☒
WOF-45
Create Component description
PLANNING AND CLASS DIAGRAM
TO DO
YE

+ Create issue

User Designing
5 Mar – 26 Mar
(2 issues)
3 0 0
Complete sprint

☒
WOF-11
User Login
USER MANAGEMENT
TO DO
HJ

☒
WOF-20
User Logout
USER MANAGEMENT
TO DO
YE

The planning goes from user story to user story and each having its own **velocity points**.

Backlog

...

HJ YE
Epic
Type
Insights

Home Page Student
Add dates
(3 issues)
0 0 0
Start sprint

☒
WOF-22
View Tickets
TICKET MANAGEMENT
TO DO

☒
WOF-23
Create /Delete Tickets
TICKET MANAGEMENT
TO DO

☒
WOF-24
Edit Tickets
TICKET MANAGEMENT
TO DO

+ Create issue

Staff Functions
Add dates
(3 issues)
0 0 0
Start sprint

☒
WOF-35
Staff view
STAFF OPERATIONS
TO DO

☒
WOF-36
Staff Response
STAFF OPERATIONS
TO DO

☒
WOF-37
Staff Delete duplicate
STAFF OPERATIONS
TO DO

Once the basic Authorisation is complete and the views are ready, we have planned to proceed with the CRUD functionalities for defined users.

Backlog

HJ YE
Epic
Type
Insights

Admin
Add dates
(2 issues)
0 0 0 Start sprint

WOF-38 FAQ creation ADMIN ACCESS TO DO

WOF-39 Admin functions ADMIN ACCESS TO DO

+ Create issue

Testing
Add dates
(3 issues)
0 0 0 Start sprint

WOF-42 Integrity Testing TESTING TO DO

WOF-43 Beta testing TESTING TO DO

WOF-44 Final Submission report TESTING TO DO

+ Create issue

The **sprint** until milestone 3 is shown below with the respective **epics** been created.

All sprints

HJ
Epic
Type
Sprint
GROUP BY None
Insights

TO DO 2 ISSUES

User Login USER MANAGEMENT WOF-11

User Logout USER MANAGEMENT WOF-20

IN PROGRESS 2 ISSUES

Schedule the project development PLANNING AND CLASS DIAGRAM WOF-8

Prepare a report PLANNING AND CLASS DIAGRAM WOF-9

DONE 2 ISSUES

Create wireframe for the software WIREFRAMES WOF-7

Prepare a class diagram PLANNING AND CLASS DIAGRAM WOF-10

Component Description

Message Component:

This is the basic component in the system, and it consists of create, update, read and delete operation of messages. The messages could be student's / support staff / admin's reply to student query.

Ticket Component:

This is the main component of the software system. This component consists of all ticket related operations such as viewing, searching, and filtering and liking tickets. It also has other user related functionalities like creating, updating, deleting, changing status of a ticket, and moving tickets to FAQ. Tickets consists of messages related to it.

Notification Component:

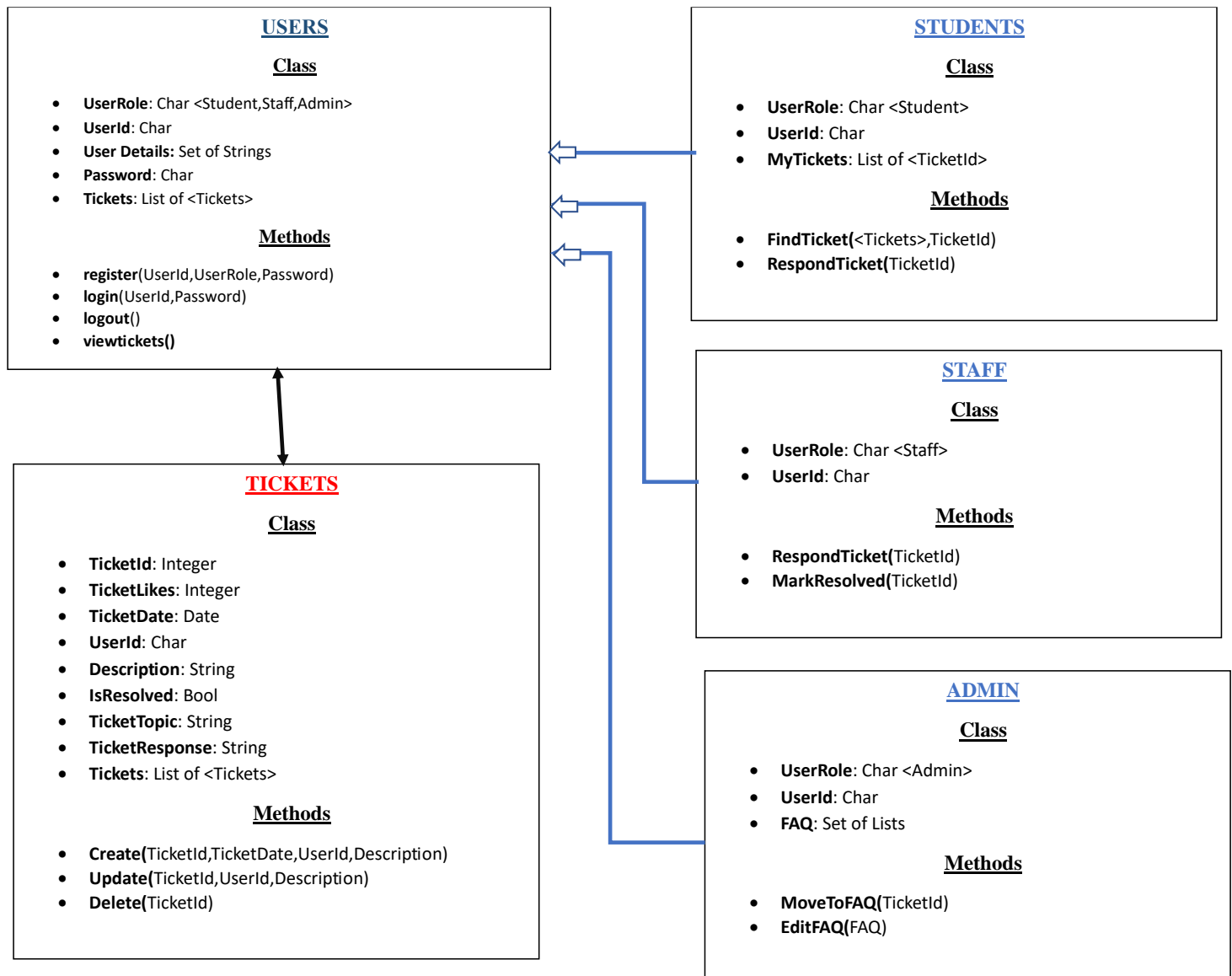
This component notifies, student if the ticket created by them have been closed / support staff if the student replays and reopens a closed ticket. Click on the notification messages should lead to respective ticket view.

Authentication and Authorization:

This component takes care of authenticating the user and authorizing the functionalities they can perform. For example, support staff are not allowed to create tickets. Other student cannot perform update / delete operation on one student's ticket.

Class Diagram

The Class diagram gives the overall design of the software with the **Classes** and **Methods** as shown.



Here, the Classes Users and Tickets are inter-dependent on each other, while the Student, Staff and Admin classes contribute to the User class (Composition)

Minutes of Scrum Meetings

Meeting on 01/03/2023

- **Participants:** Hrithick, Yuvaraaj
- **Theme:** User Storyboard

Reviewed the user stories and wireframe and discussed about the overall schedule for the project and the tools to be used for the designing of the storyboard and the wireframe.

Meeting on 03/03/2023

- **Participants:** Hrithick, Yuvaraaj
- **Theme:** Project Scheduling

Reviewed the project schedule and discussed about various component of the software and relationship between each one and concluded by deciding to schedule the project using Jira software.

Meeting on 04/03/2023

- **Participants:** Hrithick, Yuvaraaj
- **Theme:** Class and components

Reviewed the components of the system and discussed about classes that are used by the components and its attributes and methods.