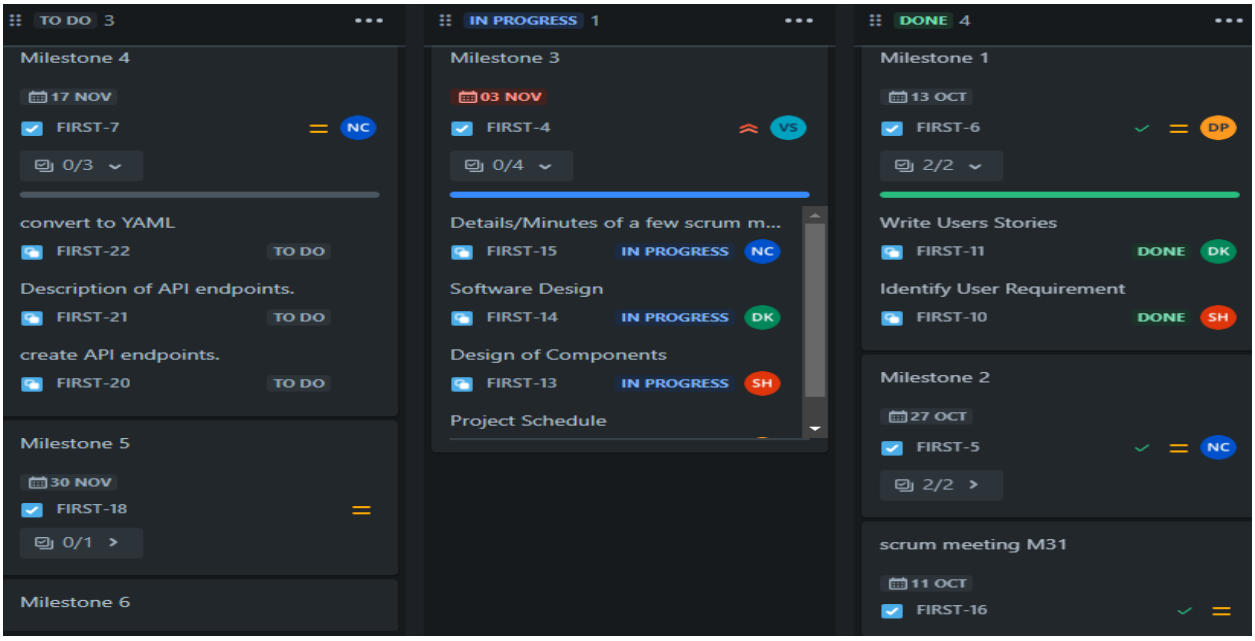
MILESTONE-3

Scheduling and Design

Project Schedule

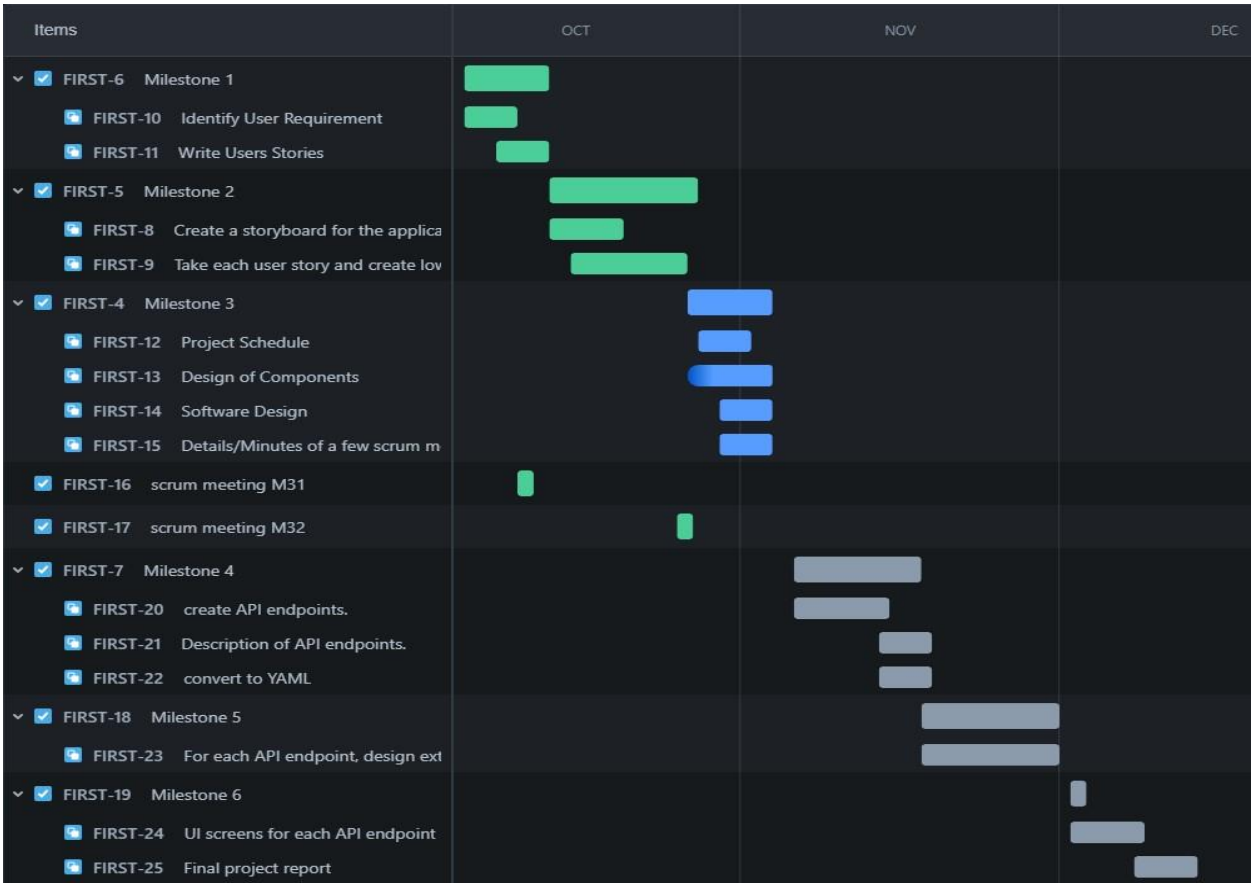
Summary	Status	Assignee	Start date	Due date	Comments	Priority
Milestone 1	DONE	Dhairyasheel Patil	Oct 6, 2023	Oct 13, 2023	Add comment	=
Identify User Requirement	DONE	Saquib Hashmi	Oct 6, 2023	Oct 10, 2023	Add comment	=
Write Users Stories	DONE	DHANYA K	Oct 9, 2023	Oct 13, 2023	Add comment	=
Milestone 2	DONE	NISANKARA CHANDA...	Oct 14, 2023	Oct 27, 2023	Add comment	=
Create a storyboard for the application	DONE	DHANYA K	Oct 14, 2023	Oct 20, 2023	Add comment	=
Take each user story and create low-fidelity wireframes	DONE	VARUN SUNDERARAJAN	Oct 16, 2023	Oct 26, 2023	Add comment	=
Milestone 3	IN PROGRESS	VARUN SUNDERARAJAN	Oct 27, 2023	Nov 3, 2023	Add comment	^^
Project Schedule	IN PROGRESS	Dhairyasheel Patil	Oct 28, 2023	Nov 1, 2023	Add comment	=
Design of Components	IN PROGRESS	Saquib Hashmi		Nov 3, 2023	Add comment	=
Software Design	IN PROGRESS	DHANYA K	Oct 30, 2023	Nov 3, 2023	Add comment	=
Details/Minutes of a few scrum meetings	IN PROGRESS	NISANKARA CHANDA...	Oct 30, 2023	Nov 3, 2023	Add comment	=
scrum meeting M31	DONE		Oct 11, 2023	Oct 11, 2023	1 comment	=
scrum meeting M32	DONE		Oct 26, 2023	Oct 26, 2023	Add comment	=
Milestone 4	TO DO	NISANKARA CHANDA...	Nov 6, 2023	Nov 17, 2023	Add comment	=

We used Jira Work Management app to collab and schedule our tasks and then assign different tasks to each member. We added scrum meetings as well in the schedule where we scheduled meetings and then updated it with the minutes later for reference.



The app also gives us a task board where we can check all the tasks that are completed or is pending and their respective details.

GANTT CHART



We took advantage of the timeline feature in the JIRA software and generated a GANTT Chart. It gave us visual representation of tasks against time which helped us in keeping track of our timeline. Thanks to the software we could keep an easy track on start and end date of a certain task and keep the due dates in check as well as keep a track on the completed and pending tasks and the priority it must be taken care of. There is a comment section in every task as well where the members can comment and share their feedback.

Design of Components

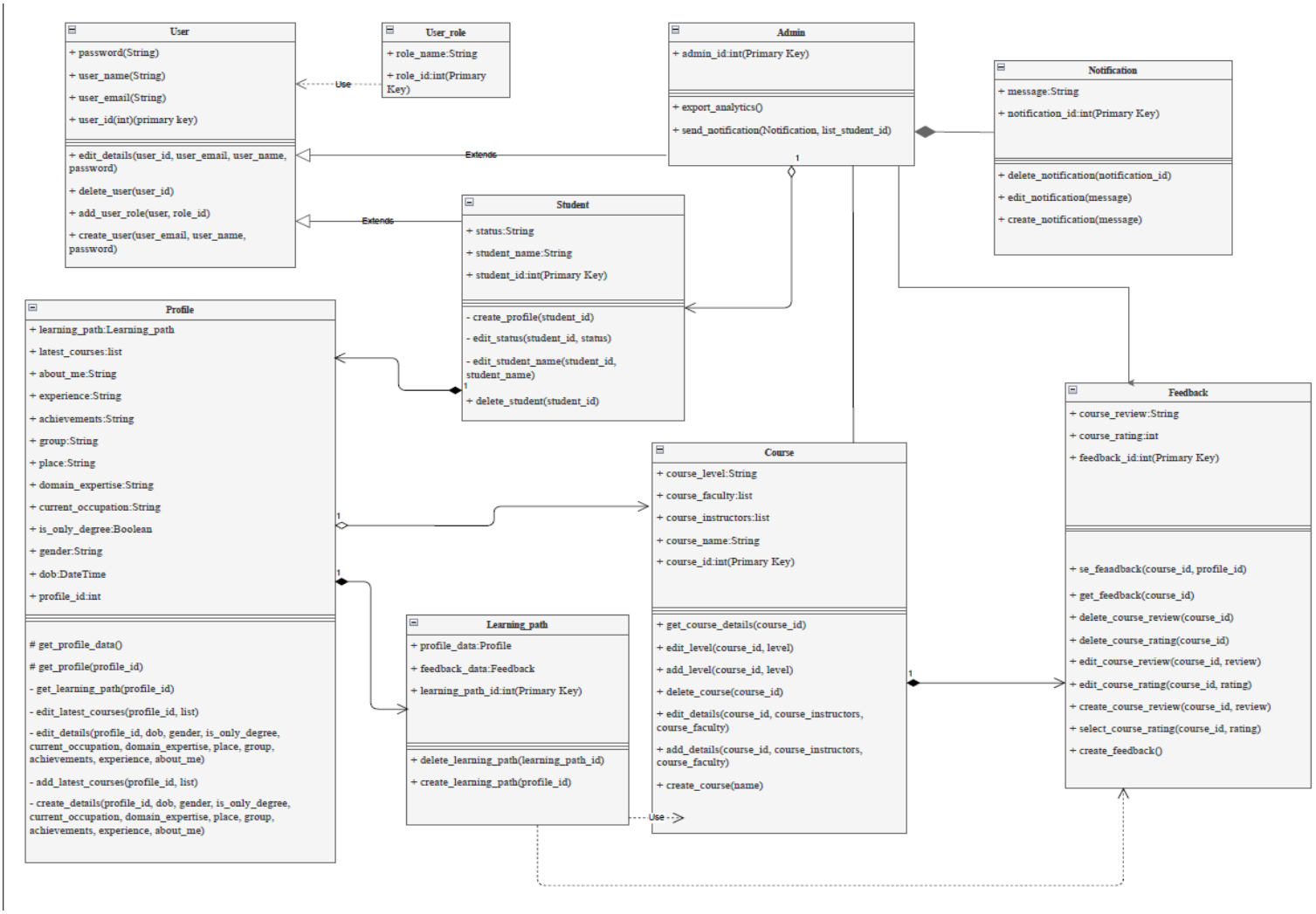
- User Authentication and Authorization:
  - This component allows both students and administrators to securely log in to their respective accounts.
  - It manages user access permissions and roles, ensuring that each user sees only the appropriate information and features.
- Student Profile Management:
  - Provides students with the ability to access and update their profiles, including personal details, academic goals, and domain preferences.
- Learning Profile and Progress:
  - Allows students to access their learning profiles, view past scores and details of quizzes, and track their progress in completed courses.
- Notifications and Reminders:
  - Sends notifications and reminders to students for important academic dates, such as registration deadlines, ensuring they stay organized and do not miss critical events.
- Course Recommendation Engine:
  - Utilizes machine learning algorithms to generate personalized course recommendations for students based on their academic goals, interests, and input preferences.

- Feedback and Rating System:
    - Allows students to provide feedback on courses, rate them based on difficulty, and leave text-based reviews.
    - Helps in fine-tuning the recommendation algorithm and provides valuable information to other students.
- Data Anonymization:
    - Ensures that all personal data collected by the system is anonymized to protect the privacy of students, as per their request.
- Admin Panel:
    - Provides administrators with secure access to the admin panel for managing the system's administrative functions.
    - Provides admin with access to analytics, including negative feedback, which aids in data-driven improvements to course content and structure.
- Data Import and Analysis:
    - Allows administrators to upload enrolment data from previous terms in bulk format, which is then used for pattern analysis and to improve the recommendation algorithm.
- Analytics and Reporting:
    - Offers administrators the ability to view and export analytics on course enrolments, course popularity, and student feedback.

- Provides insights for curriculum improvement and reporting to academic advisors.

- User Support and Monitoring:
  - Supports administrators in monitoring student feedback and assisting students with account-related issues.
  - Ensures code of conduct is maintained within the system.
- Data Access for Data Analysts:
  - Provides data analysts with access to the necessary data from the database to evaluate the correctness of the recommendation algorithm and make necessary changes.
- IT Support Alerts:
  - Alerts IT support staff members about system errors or issues, enabling them to promptly resolve issues to ensure the system runs smoothly.

Class Diagram



SCRUM Meetings Schedule and Minutes

Meeting 1 - 29th September - 19:00

Introduction of the group members, We went through the project statement and had a discussion on the overall idea of the project. We discussed the first live session and what we understood from the problem statement. Discussed our streghths as to which tasks should be assigned to whom.

Meeting 2 - 3rd October - 16:30

Collaborated on github, discussed about the live session 2 and shared our ideas as to what we individually understood about the project and decided to meet after watching all the lectures till week 2. Decided to come up with our own versions of users for milestone 1 before meeting next.

Meeting 3 - 9th October - 20:00

Discussed our individual versions Users, collectively compared and finalised our Users. Decided to individually work on user stories and then compare it in the next meeting.

Meeting 4 - 12th October - 08:00

Compared and finalised all the user stories. Made the final pdf for submission of milestone-1. Rechecked the pdf and sucessfully submitted milestone1 along with honor code pdf.

Meeting 5 - 16th October - 21:00

Short meeting on discussion of milestone 2 requirements. Went through the statement and tried to understand what exactly needs to be done. Decided to meet next after completing the requireed theory study for the same.

Meeting 6 - 21st October - 16:00

Discussed on milestone 2, divided wireframe and storyboard work in 2 groups. Brainstormed on both and came up with ideas for same. Went through ideas and sofwares where we can make both of them.

Meeting 7 - 26th October - 19:00

Our basic Wireframe and storyboard was ready, made small changes which was required. Finalised everything. And then made the submission after going through everything.

Meeting 8 - 30th October - 20:00

Went through Milestone-3 requirements. Discussed on what needs to be done. Brainstormed on Component list and class diagram. Divivded the work as per expertise and decided to meet after completion of individual work.

Meeting 9 - 2nd November - 20:30

Discussed on the progress of the milestone 3 requirements. Finalised all the requirements, took screenshots from jira, colaborated all the individual tasks in a single file. Finalised the final submission pdf with all the required images and details.