



Milestone: 3 Submission

Design of Components

1. Login Screen(Admin and Student)

- a. Create New user/Sign-Up page
- b. Create Sign-in Page

2. Admin Dashboard

- a. View Summary of Student and Courses
- b. View Uploaded Student Log data
- c. Upload Student data
 - Upload Performance, Interest and Goal of student from previous Term
 - Uploaded Enrollment Data
 - Download Summary Report of Uploaded Enrollment Data
 - View Summary Report of Uploaded Enrollment Data
- d. Course Data
 - View Course data with prerequisites, corequisites, and required minimum hours of study
 - Create Course data with prerequisites, corequisites, and required minimum hours of study
 - Delete Course data with prerequisites, corequisites, and required minimum hours of study
 - Edit Course data with prerequisites, corequisites, and required minimum hours of study



Milestone: 3 Submission

e. Learning Paths

- View all Generated each Learning path
- Add Rating and Feedback for each Learning path
- Edit Rating and Feedback for each Learning path
- Create Rating and Feedback for each leaning path

3. Student Dashboard

- a. Show Current Learning Path
- b. Show and add Feedback on Completed Course
- c. Show upcoming Course
- d. Show all Learning Path generated by Recommendation system
- e. Add Feedback and Rating on generated by Recommendation system
- f. Show Previous Recommended Learning Path
 - Add new learning Path
 - Add Academic interests.
 - Learning Goal
 - Schedule
 - Commitments



Milestone: 3 Submission

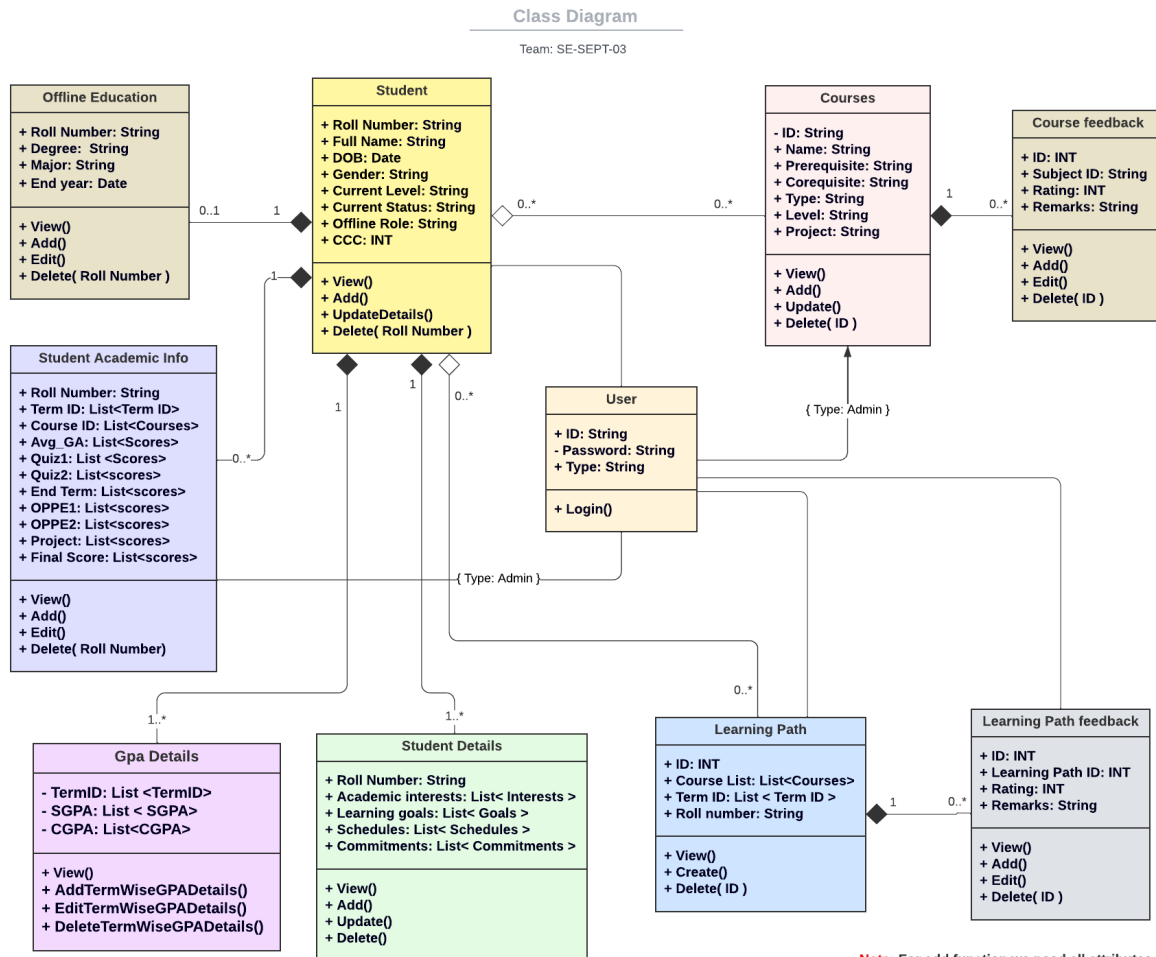
4. Common

- a. Data Preparation for Each Table
- b. Course professor or instructor will get alert if course rating is less than 3
 - Dynamic Report Template creation
 - Email formatting
 - Write Schedule JOB to send Email if Rating of Course Feedback in Less than 3
 - Email JOB scheduler
 - Email Template for Notification on Performance on Recommendation Engine
- c. ML model for Recommendation Engine
 - Data Cleaning
 - Feature Engineering
 - Model Architecture
 - Model Training
 - Model Evaluation
 - Hyper parameter Tuning
 - Model Deployment
 - Saving Model checkpoint into Google Drive Storage
 - API Integration with Application



Milestone: 3 Submission

Class Diagram





Milestone: 3 Submission

Sprint Schedules

Sprint 1 (28-sep to 12-oct)

- Identify Users and write user stories

Sprint 2 (13-oct to 26-oct)

- Create a storyboard for the application
- Create low-fidelity wireframes

Sprint 3 (28-oct to 2-Nov)

- Project Scheduling and Jira setup
- Create Class diagram
- Create Components

Sprint 4 (1-Nov to 8-Nov)

- Create Academic interests, Learning goals, schedules, and commitments
- Edit a existing Create Academic interests, Learning goals, schedules, and commitments
- Delete Academic interests, Learning goals, schedules, and commitments
- Create View to read data during Model preparation
- View the Term and Subject Wise score in Student Dashboard
- View all the courses registered till now
- Create Feedback for each course
- Edit Feedback for each course
- Delete Feedback for each course



Milestone: 3 Submission

Sprint 5 (9-Nov to-16 Nov)

- Data Cleaning
- Feature Engineering
- Model Architecture
- Model Training
- Model Evaluation
- Hyper parameter Tuning
- Model Deployment
- Saving Model checkpoint into Google Drive Storage
- API Integration with Application

Sprint 6 (17-Nov to 24-Nov)

- View uploaded Enrollment Data
- Edit uploaded Enrollment Data
- Delete uploaded Enrollment Data
- Create Signup Page for Login
- Database validation for Access
- View all Generate Learning Path
- Compare Generate Path with Student actually selected Path with Score
- Create Course data with prerequisites, corequisites, and required minimum hours of study
- Edit Course data with prerequisites, corequisites, and required minimum hours of study
- Delete Course data with prerequisites, corequisites, and required minimum hours of study
- View Course data with prerequisites, corequisites, and required minimum hours of study



Milestone: 3 Submission

Sprint 7 (25-Nov to 2-Dec)

- Uploaded Enrollment Data
- Upload Performance, Interest and Goal of student from previous Term
- View Summary Report of Uploaded Enrollment Data
- Download Summary Report of Uploaded Enrollment Data
- Create Rating and Feedback for each leaning path
- Edit Rating and Feedback for each Learning path
- Edit Rating and Feedback for each Learning path
- Create Sign-in Page
- Create New user/Sign-Up page
- Database validation for Admin and Student during login

Sprint 8 (3 Dec to 10 Dec)

- Write Schedule JOB to send Email if Rating of Course Feedback in Less than 3
- Email formatting
- Dynamic Report template creation
- Email Template for Notification on Performance on Recommendation Engine
- Email JOB scheduler

[Link To Detail Scheduling](#)

WorkFlow

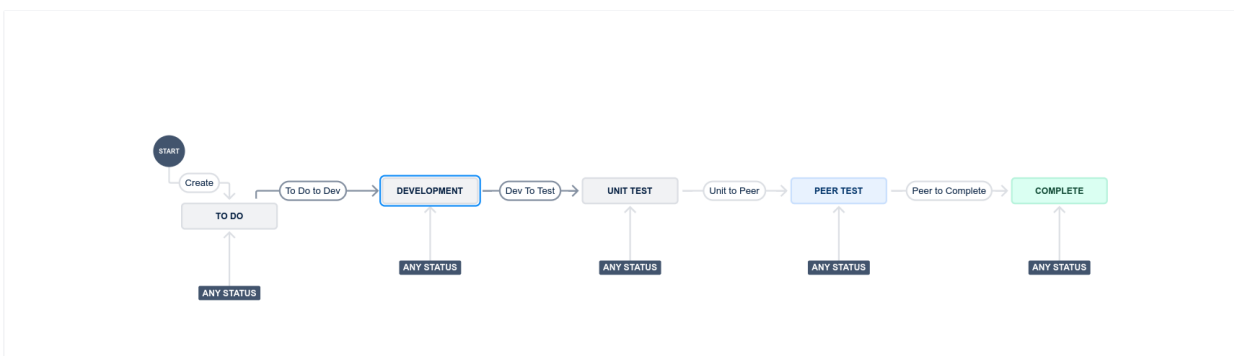
Story workflow

Current status

DEVELOPMENT

This issue can be moved to

TO DO UNIT TEST PEER TEST COMPLETE





Milestone: 3 Submission

Scrum Meeting Schedule and Minutes

Sprint	Date	Description	Resp	Deadline
Sprint 1	28/09/2023	Go through first two weeks of lectures	Everyone	1/10/2023
Sprint 1	28/09/2023	Read the problem statement and imagine user stories in the suggested format	Everyone	5/10/2023
Sprint 1	28/09/2023	Explore online tools for preparing user stories	Sandip	6/10/2023
Sprint 1	7/10/2023	Preparation of User Stories	Prashant, Aditi	07/10/2023
Sprint 1	7/10/2023	Going through Each user stories and evaluate according to SMART Guidelines	Everyone	9/10/2023
Sprint 1	11/10/2023	Going through Data upload templates to decide user requirements	Everyone	11/10/2023
Sprint 1	11/10/2023	Finalize submission for Milestone-1 and make submission	Prashant	13/10/2023
Sprint 1	12/10/2023	Discussion about logic behind recommendation engine	Everyone	13/10/2023
Sprint 2	23/10/2023	Go through Milestone 2 requirements	Everyone	23/10/2023
Sprint 2	23/10/2023	Review tools to be used for generating user story boards	Everyone	24/10/2023
Sprint 2	23/10/2023	Generate user story boards and wireframe	Prashant	24/10/2023
Sprint 2	23/10/2023	Review user story boards and make necessary changes	Everyone	25/10/2023
Sprint 2	23/10/2023	Prepare submission file for Milestone-2 and make submission	Prashant	26/10/2023
Sprint 3	30/10/2023	Go through milestone-3 requirements and plan future meetings and preparations.	Everyone	30/10/2023
Sprint 3	30/10/2023	Initial discussion on models to be considered for back end and iron out attributes and methods for each model	Everyone	30/10/2023
Sprint 3	31/10/2023	Initial scheduling for the project using JIRA and creating tasks and sprints	Mukesh	02/11/2023

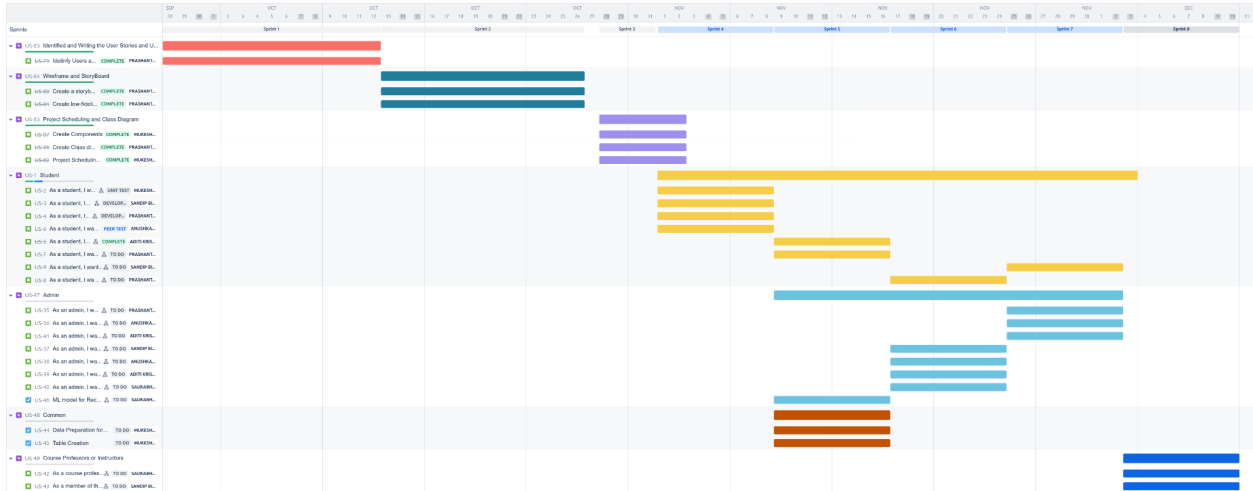


Milestone: 3 Submission

Sprint 3	31/10/2023	Class diagram to be prepared	Prashant	02/11/2023
Sprint 3	2/10/2023	Reviewing the Class Diagram	Everyone	02/11/2023
Sprint 3	2/10/2023	Component Diagram Discussion	Everyone	02/11/2023
Sprint 3	2/10/2023	Task assignment	Mukesh	02/11/2023
Sprint 3	3/10/2023	Review and Discuss Milestone 3 submission files	Everyone	03/11/2023
Sprint 3	3/10/2023	Finalize submission for Milestone-3 and make submission	Prashant	03/11/2023



Milestone: 3 Submission GANTT Chart



[View full chart](#)

Partial Kanban Board

