GROUP 7
JEDI PROJECT PRESENTATION

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TEAM 7:

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OVERVIEW

Acknowledgment

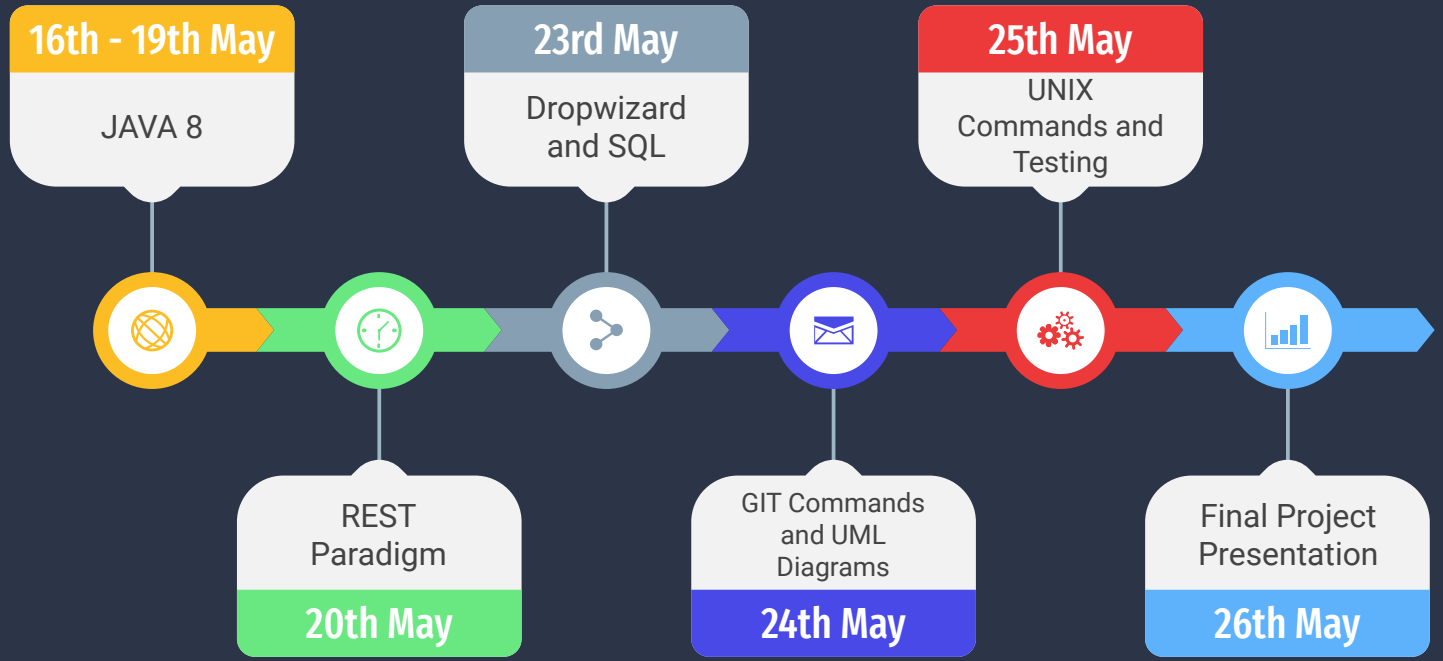
We would like to express our gratitude to our instructor Mr. Pradeep LN for his support and instruction in this project. His support and direction was instrumental throughout the project.

OVERVIEW

We created Course Registration System as part of the JEDI Training Program. During JEDI training, we learned numerous cutting-edge technologies utilised in the industry, such as Java, git, unix command ,dropwizard, MySql etc and applied them practically to construct this project from the ground up.

TRAINING FLOW

TRAINING FLOW



PROBLEM STATEMENT

Problem Statement

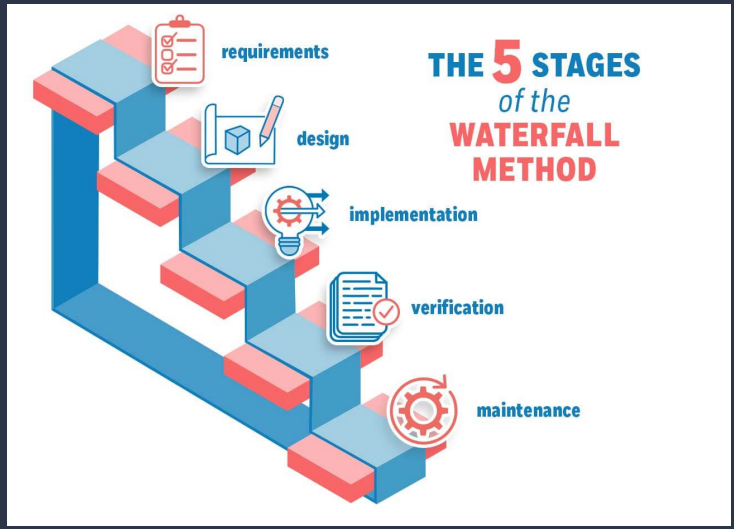
To design a University Course registration system using technologies like DropWizard, rest API paradigm, Java etc where professors and students can perform various registration activities like add/drop course, grade students, view grades, pay fees etc and admin can add/delete students,course and professors.

SDLC MODEL USED

Software Development Life Cycle Model

Software development life cycle (SDLC) model show how to navigate the complex and demanding process of developing software. The chosen model has a large impact on the quality, timeframes, budget, and ability to meet the expectations of stakeholders.

We chose the Waterfall model because the project we were working on was simple and all of the requirements were well defined.



TECHNOLOGIES USED

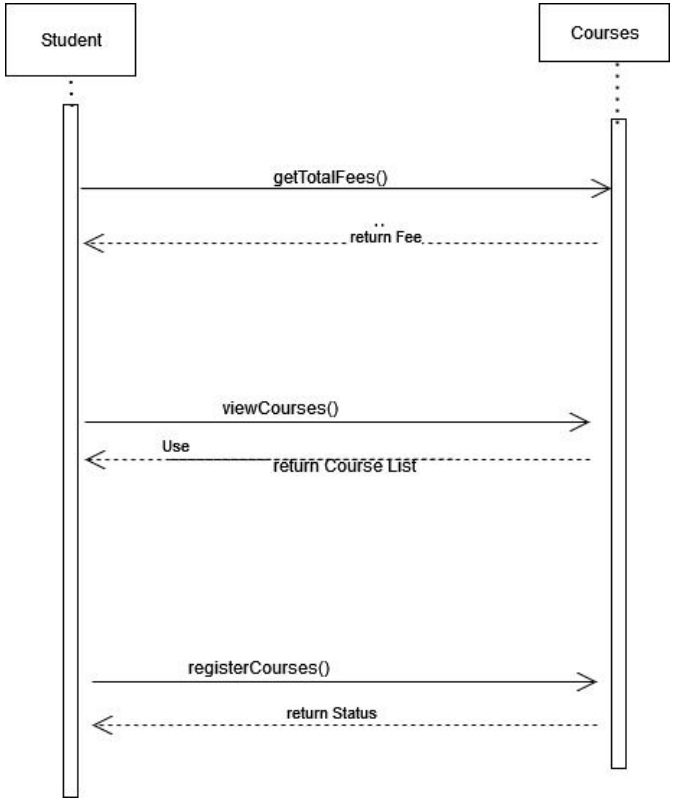
Dropwizard

Jersey

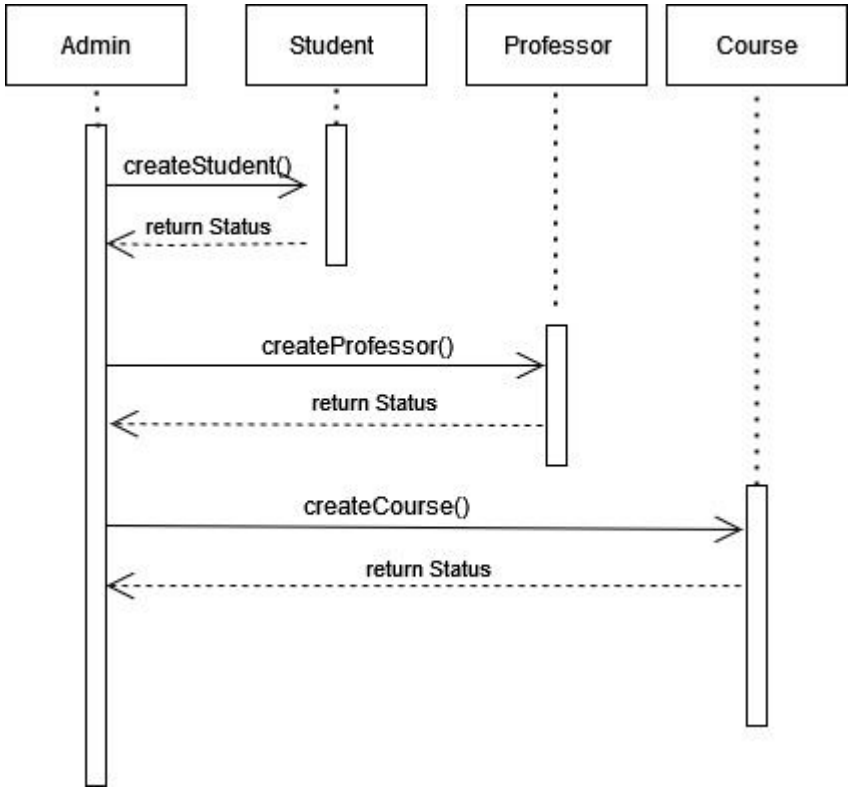
RESTful Web Services in Java.

Now Let’s See UML Diagrams

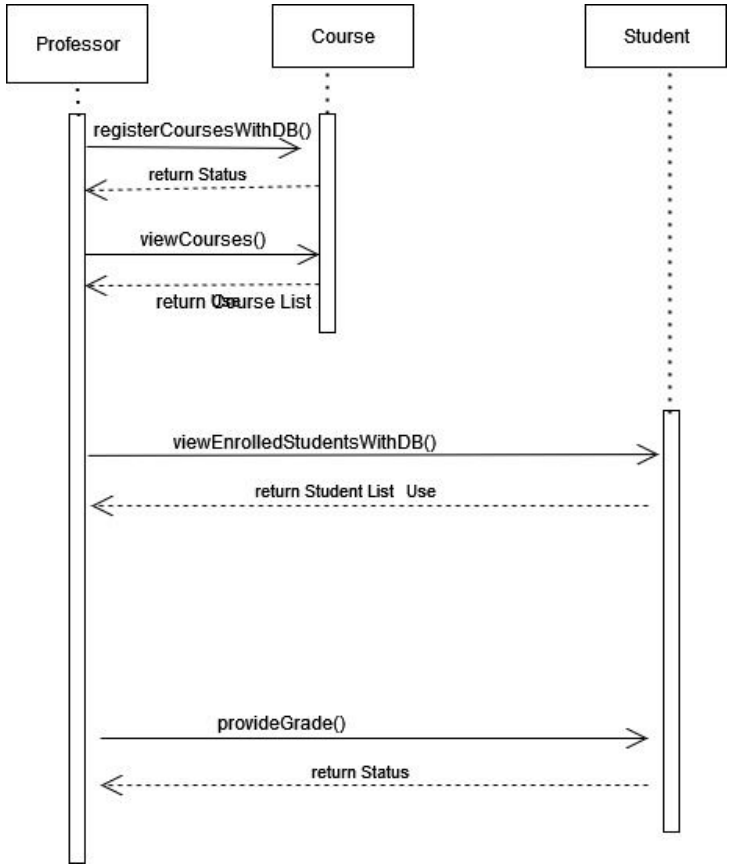
Student Sequence Diagram



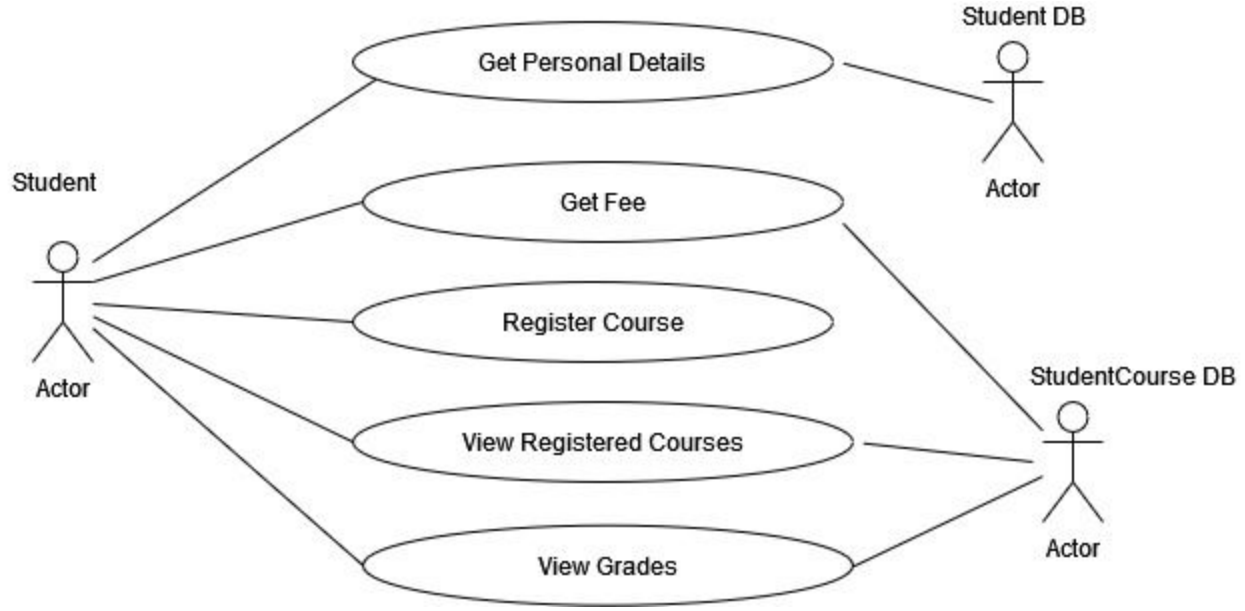
Admin Sequence Diagram



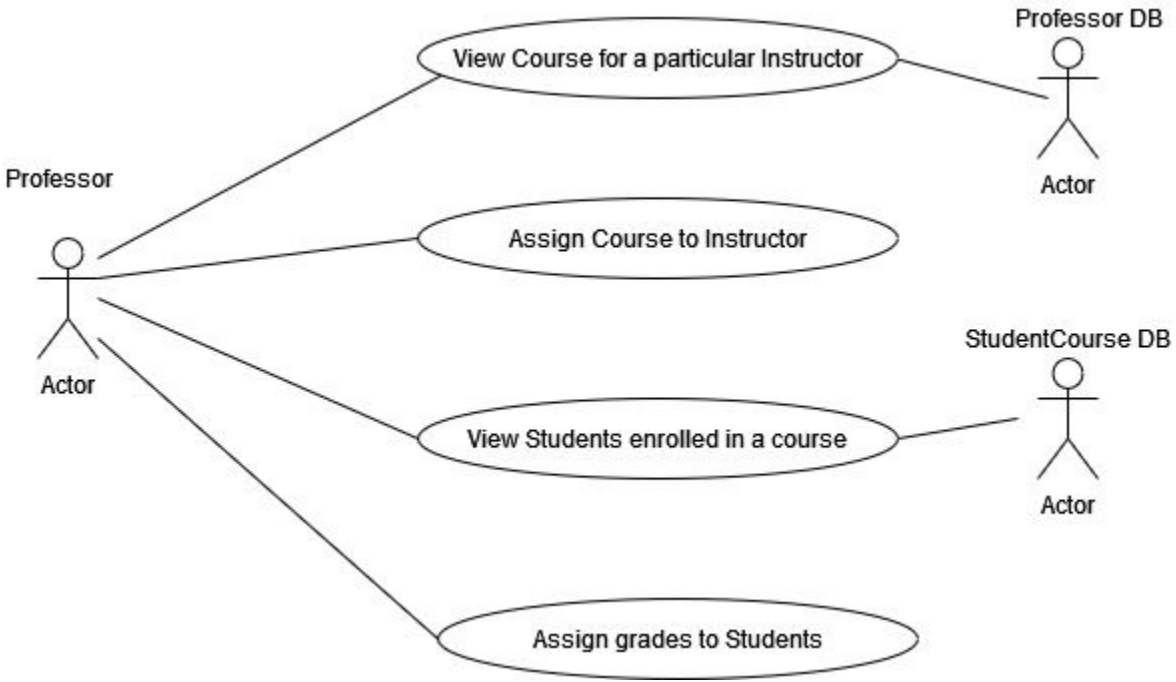
Professor Sequence Diagram



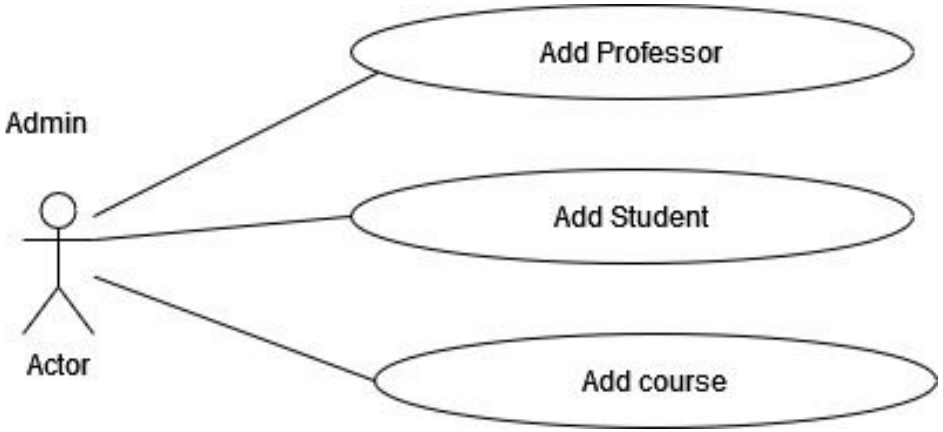
Student Use Case Diagram



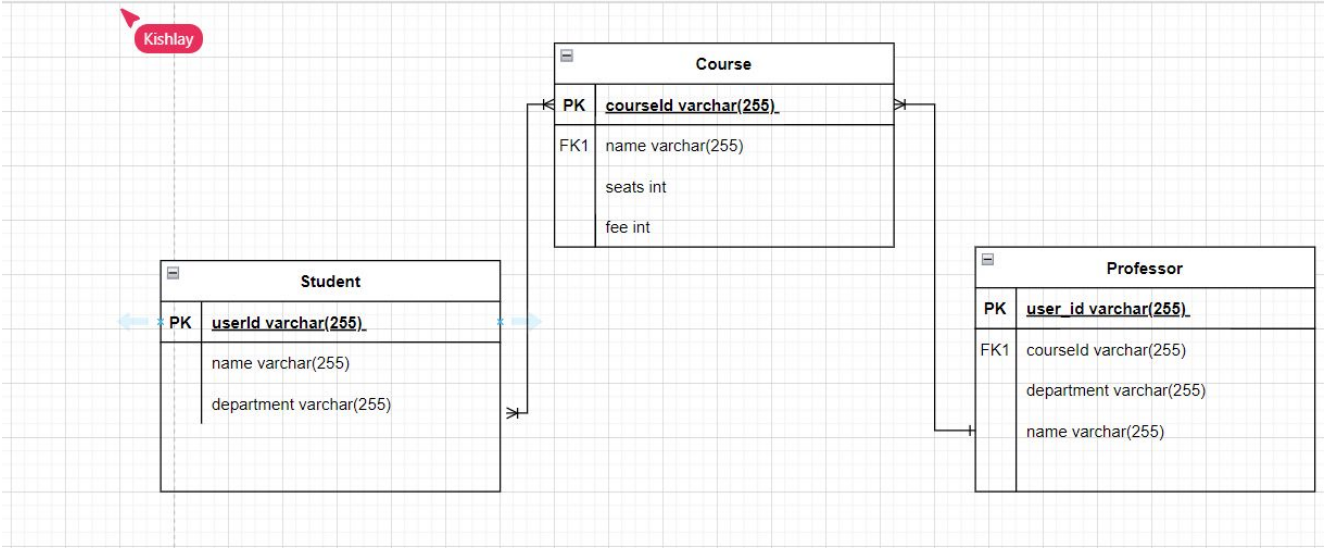
Professor Use Case Diagram



Admin Use Case Diagram



ER Diagram


Kishlay
Course
PK
courseId varchar(255)
FK1
name varchar(255)
seats int
fee int
Student
PK
userId varchar(255)
name varchar(255)
department varchar(255)
Professor
PK
user_id varchar(255)
FK1
courseId varchar(255)
department varchar(255)
name varchar(255)

Demo Using Postman

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Challenges

CHALLENGES

1. Setting up of softwares.
2. Resolving the errors and refactoring the code in case of major changes
3. Distributing work in team.
4. Designing of API.

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Learnings

LEARNINGS

1. Work in a team .

2. Got more in depth knowledge of JAVA , REST Api and MySql.

Thanks!