

JEDI Group 6

Course Registration System

Flipkart



Stakeholders

Sponsors

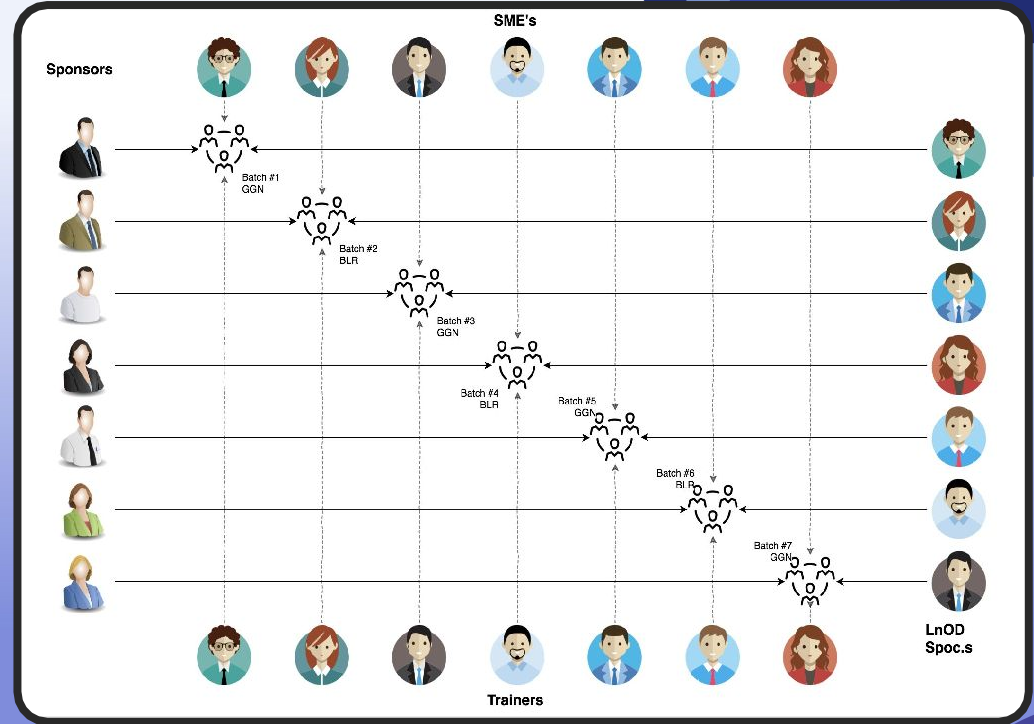
- Flipkart

Coordinator

- Shree Lakshmi(Order Trainings)

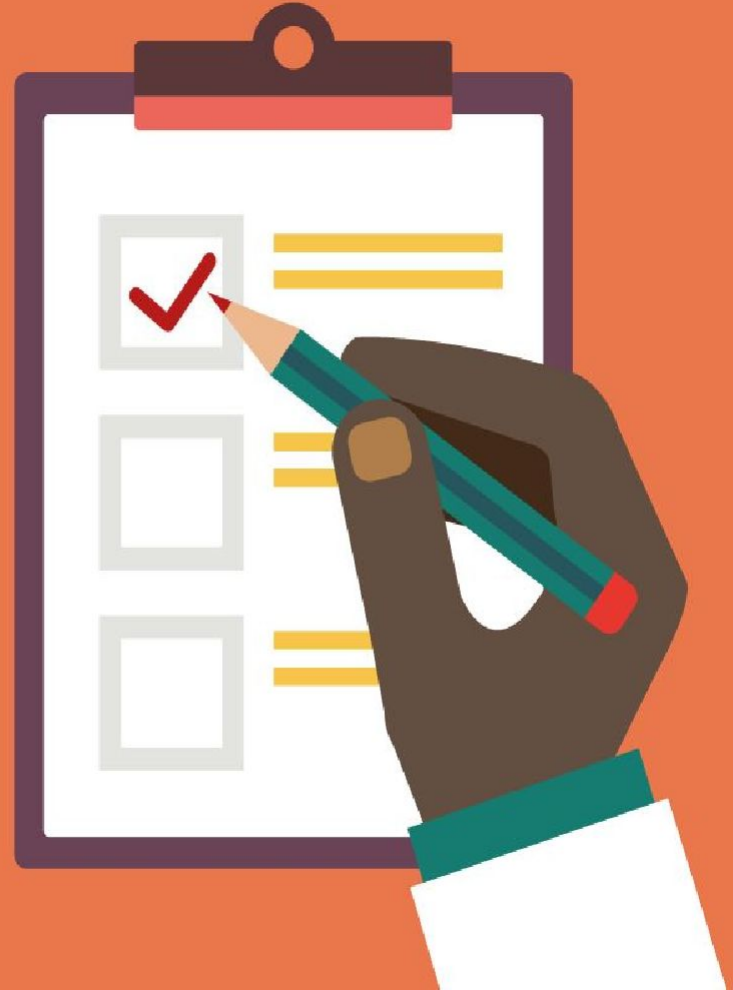
Mentor

- Amit Balyan



Agenda

- 01 Our Team
- 02 Our Journey
- 03 Problem Statement
- 04 Engineering
- 05 Practices Tech Stack
- 06 Demo
- 07 Learnings
- 08 Challenges
- 09 Questions



OUR TEAM

Sanyam Jain

Saurabh Singh

Sahil Jain

Himanshu Girdharwal

Divya Garg

Hemanjali Gasada

Kartik Agarwal

R Vineeth Kumar



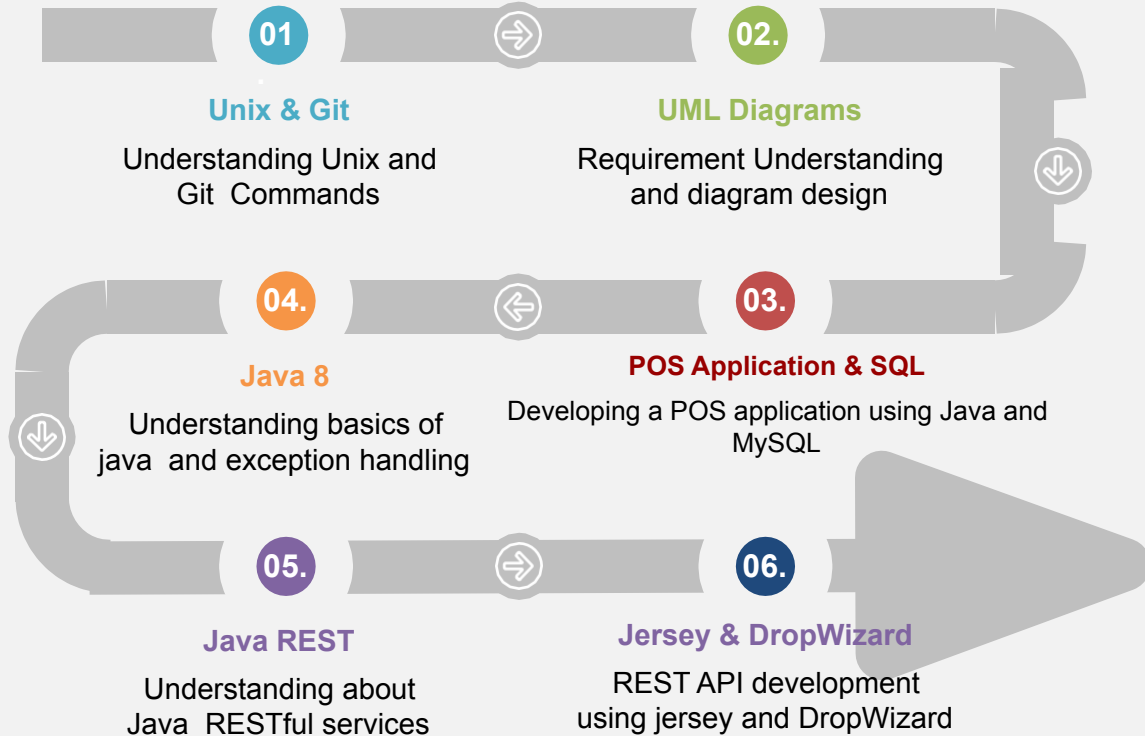
Our Journey



2 WEEKS OF TRAINING + PROJECT DEMO



Action Plan



GIT Flow

github.com/sanyamjainflipkart/CRS-Flipkart-REPO-Group-6/tree/main

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sanyamjainflipkart / CRS-Flipkart-REPO-Group-6 (Public)

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📊 Insights

🌿 main 7 branches 0 tags

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Code

👤 sanyamjainflipkart

Documentation added

e88a683 · 4 hours ago · 75 commits

📁 .idea	DAO functionality added	4 days ago
📁 CRS-JEDI-DROPIWIZARD	Dropwizard files added	5 hours ago
📁 CRS-JEDI-Documentation	Documentation added	4 hours ago
📁 CRS-JEDI-Flipkart-POS	All POS changes with testing	17 hours ago
📁 CRS-JEDI-UML-Artifacts	Add files via upload	10 days ago
📄 README.md	Initial commit	12 days ago

README.md

CRS-Flipkart-REPO-Group-6

About

No description, website, or topics provided.

📖 Readme

★ 0 stars

👁 1 watching

🍴 1 fork

Releases

No releases published

[Create a new release](#)

Packages

No packages published

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Contributors 3

👤 sanyamjainflipkart

👤 kartikagrwl

👤 Sudonull01

Languages

HTML 79.7%

Java 19.5%

https://github.com/sanyamjainflipkart/CRS-Flipkart-REPO-Group-6/commit/210a585b13c51efe00a114c8908d2a7db10336b

PROJECT GOALS



Problem Statement

Create a Course Registration System

- To develop a course registration system for universities which can be accessed by students, professors and Admins of the system.
- These are the different features offered to different types of user :
- Student
 - Register
 - Apply for Different courses
 - Get grades
 - Fees payment
- Professor
 - Grade the students enrolled in their courses.
 - Choose the subjects to teach
- Admin
 - Manage users
 - Manage courses
 - Approve students for course registration.
 - Approve courses selected by student

Our Vision

To create a Course Registration System using JAVA/REST tools and technologies, where a professor as well as a student can view courses and enroll in some of the courses.



Quality



Security



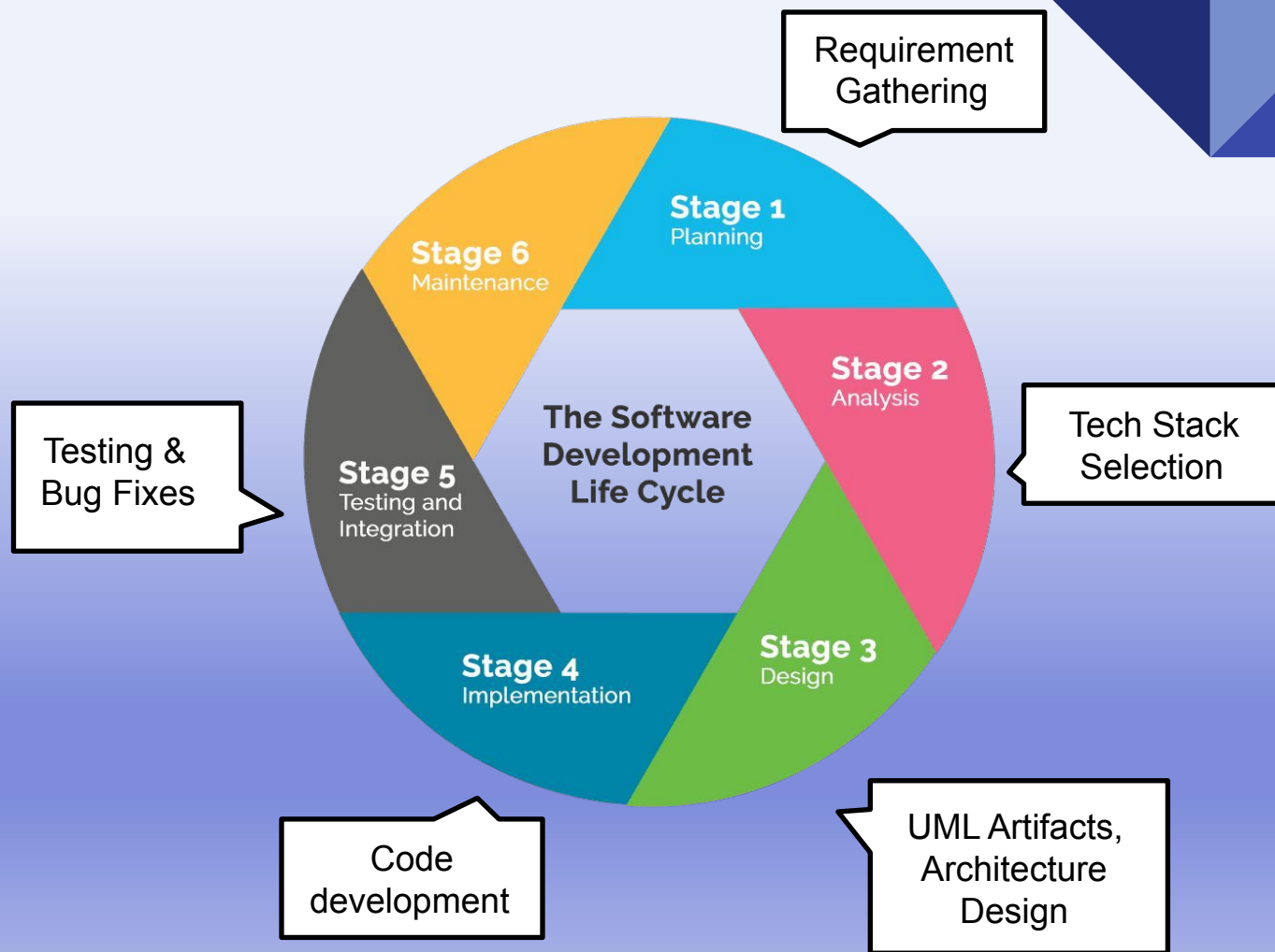
Interactivity



Speed

Engineering Practices





Designing

UML

 Lucidchart

Backend

Core Language



Framework



Dropwizard

Maven



REST API

Testing

Tools



POSTMAN



Data

SQL Database



SCM

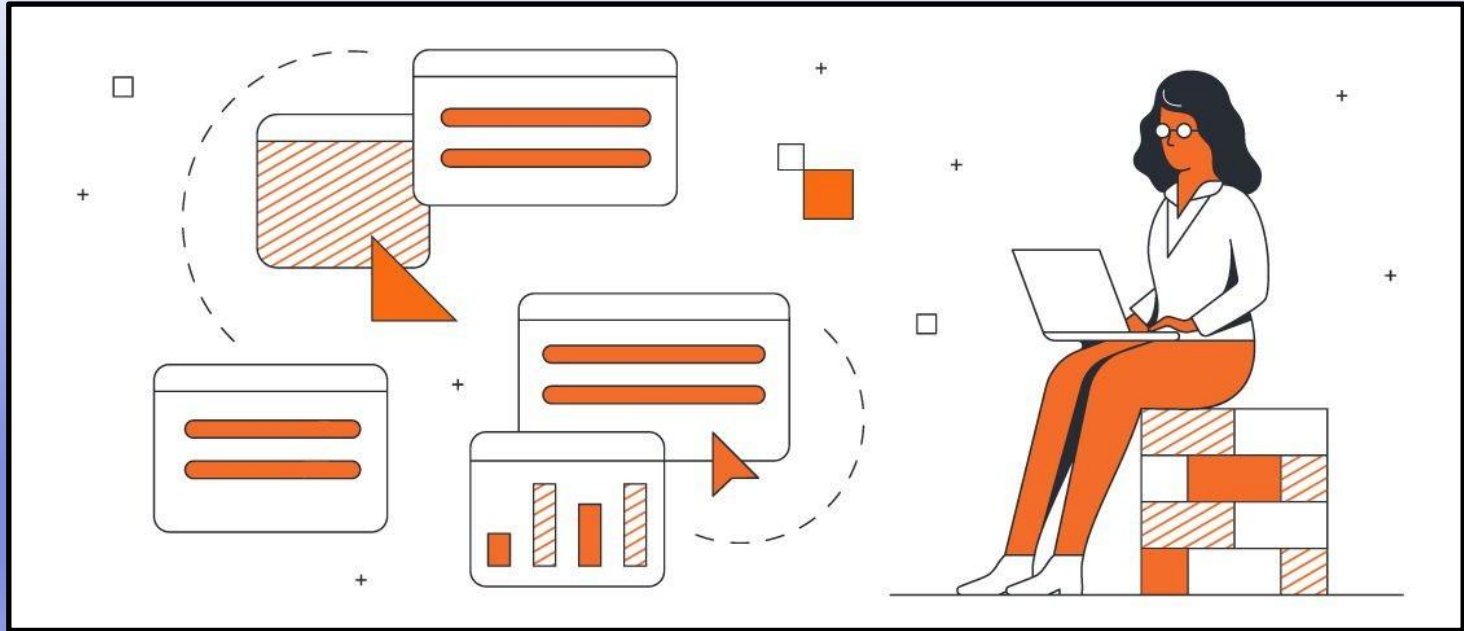
Code
Collaboration



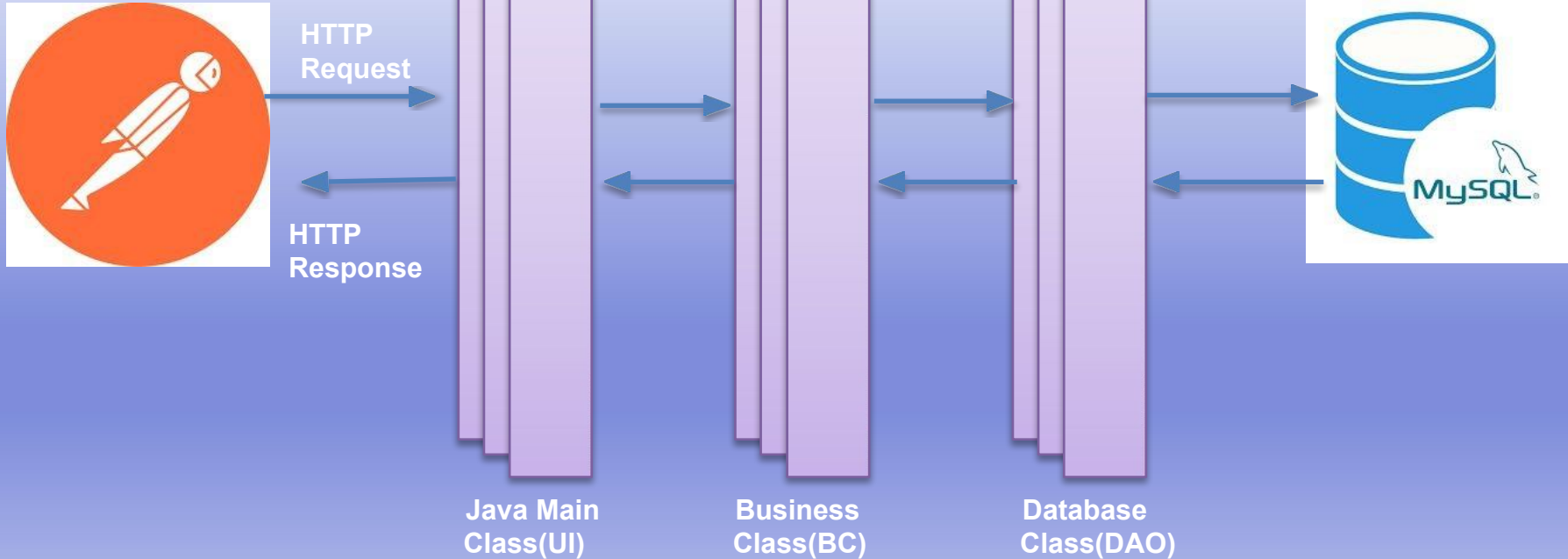
GitHub



ARCHITECTURE DESIGN



SYSTEM ARCHITECTURE



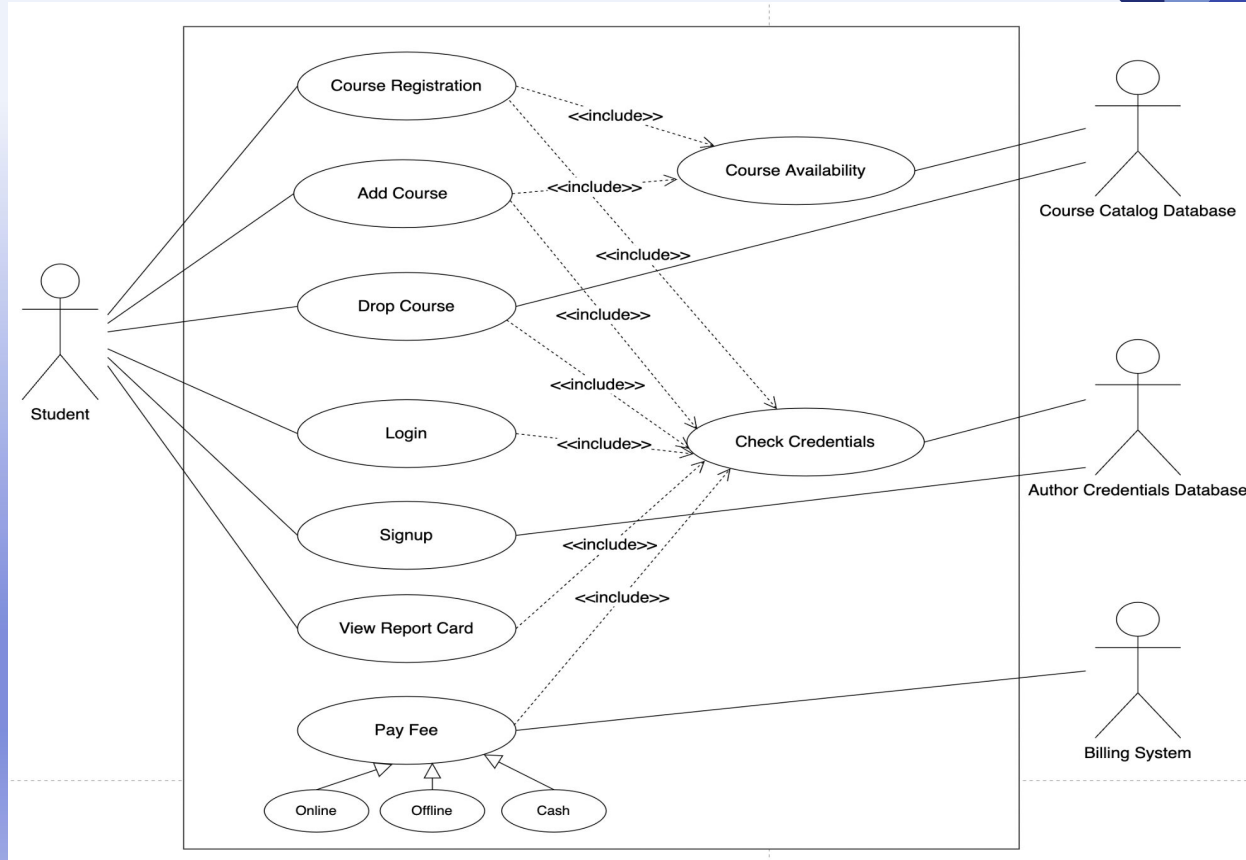


UML Diagrams

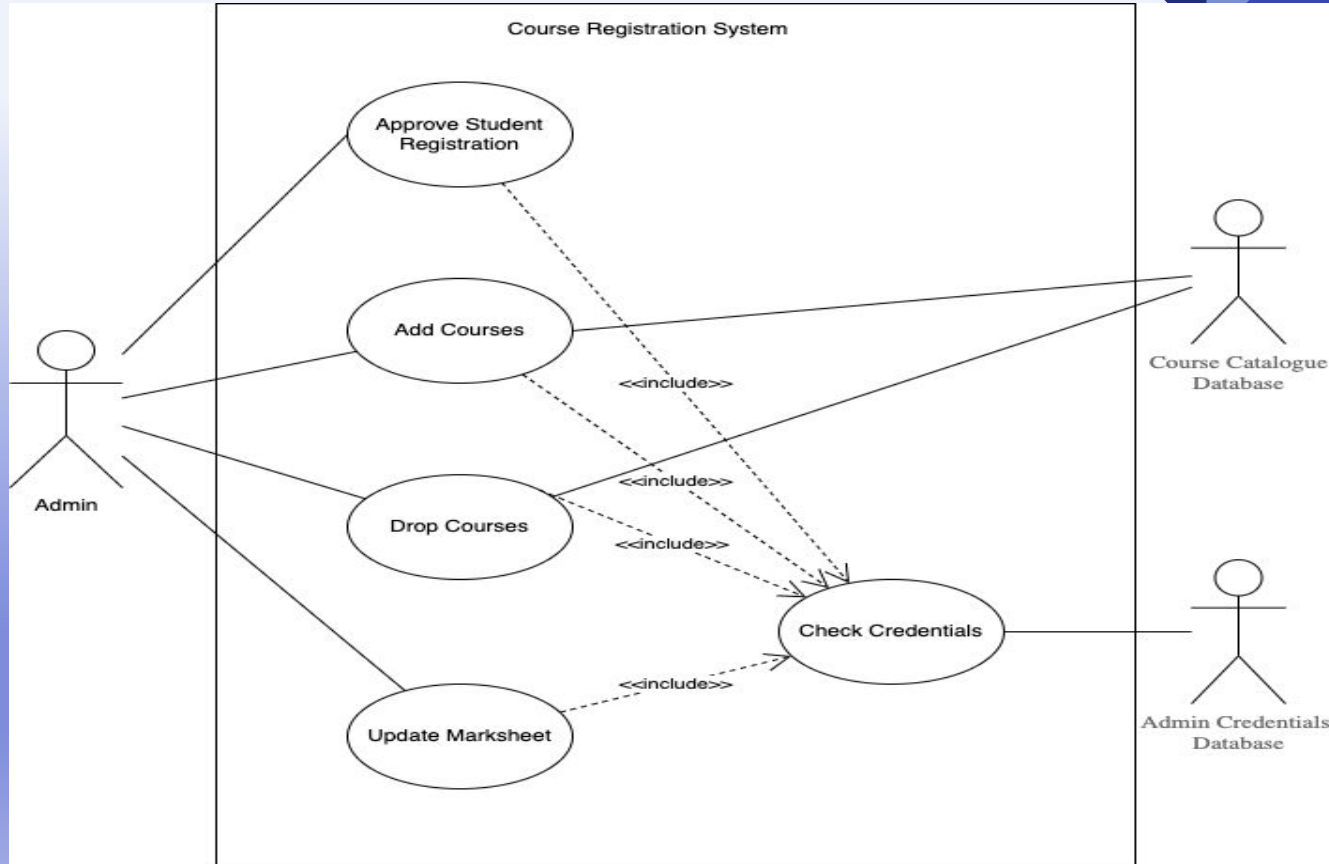


Use Case Diagram

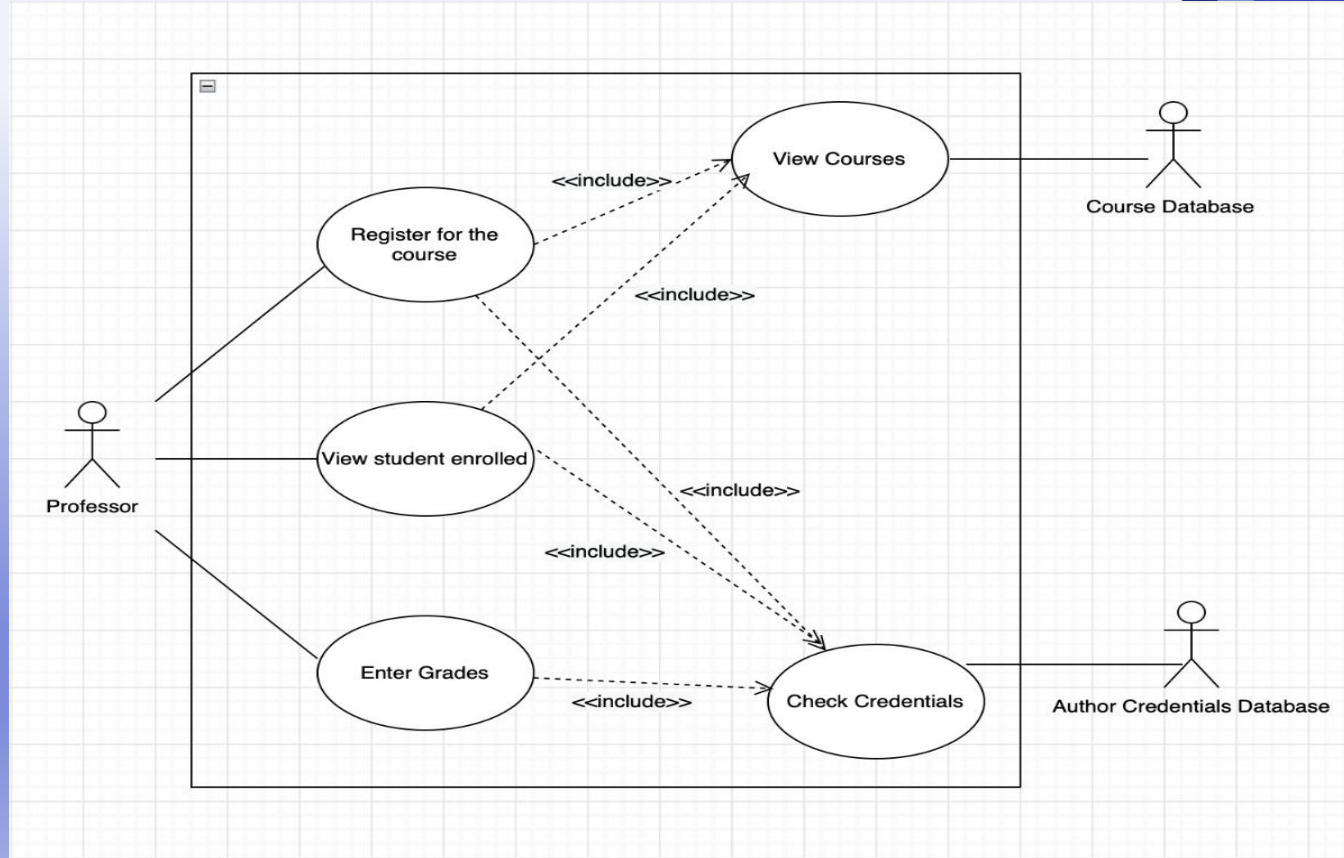
Student



Admin

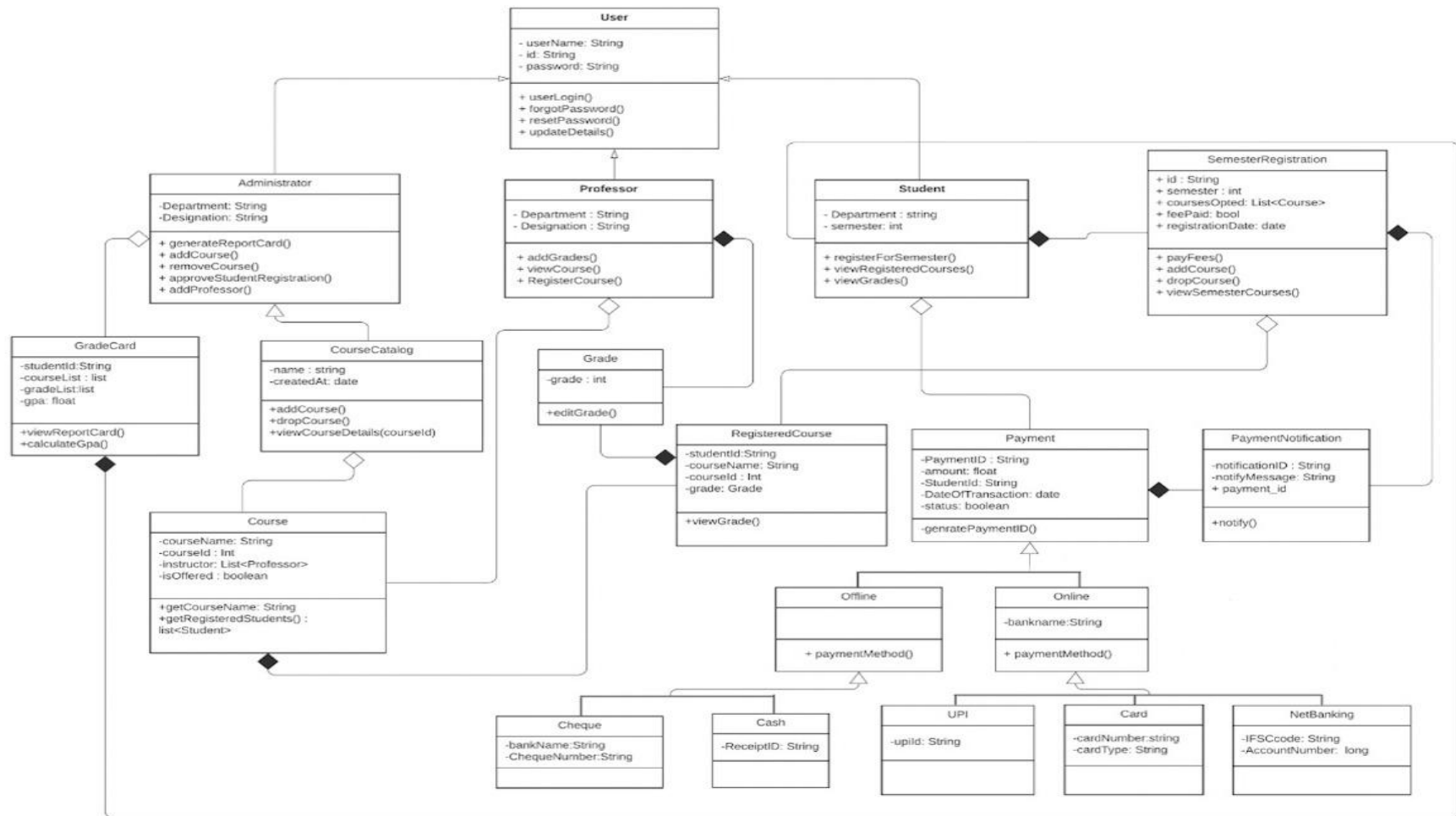


Professor





Class Diagram

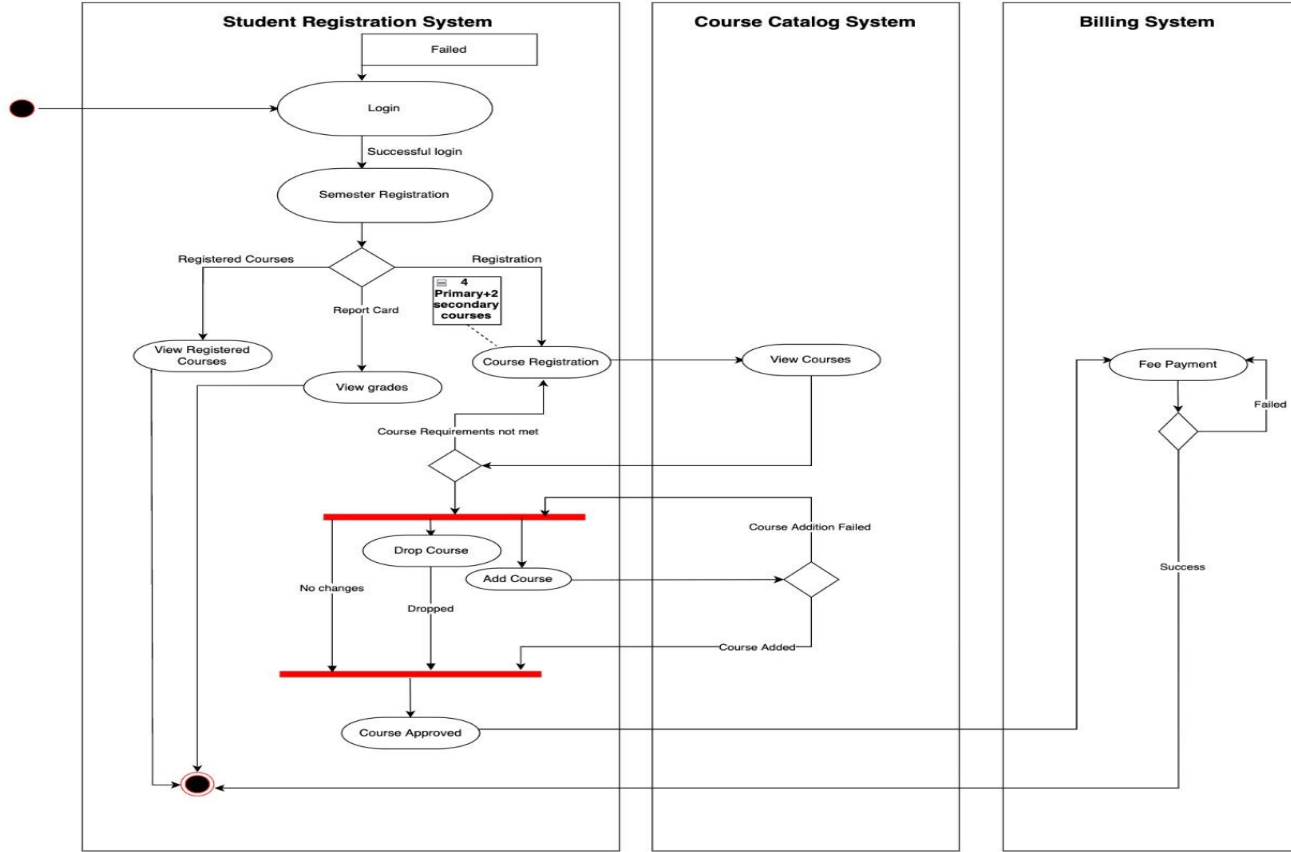




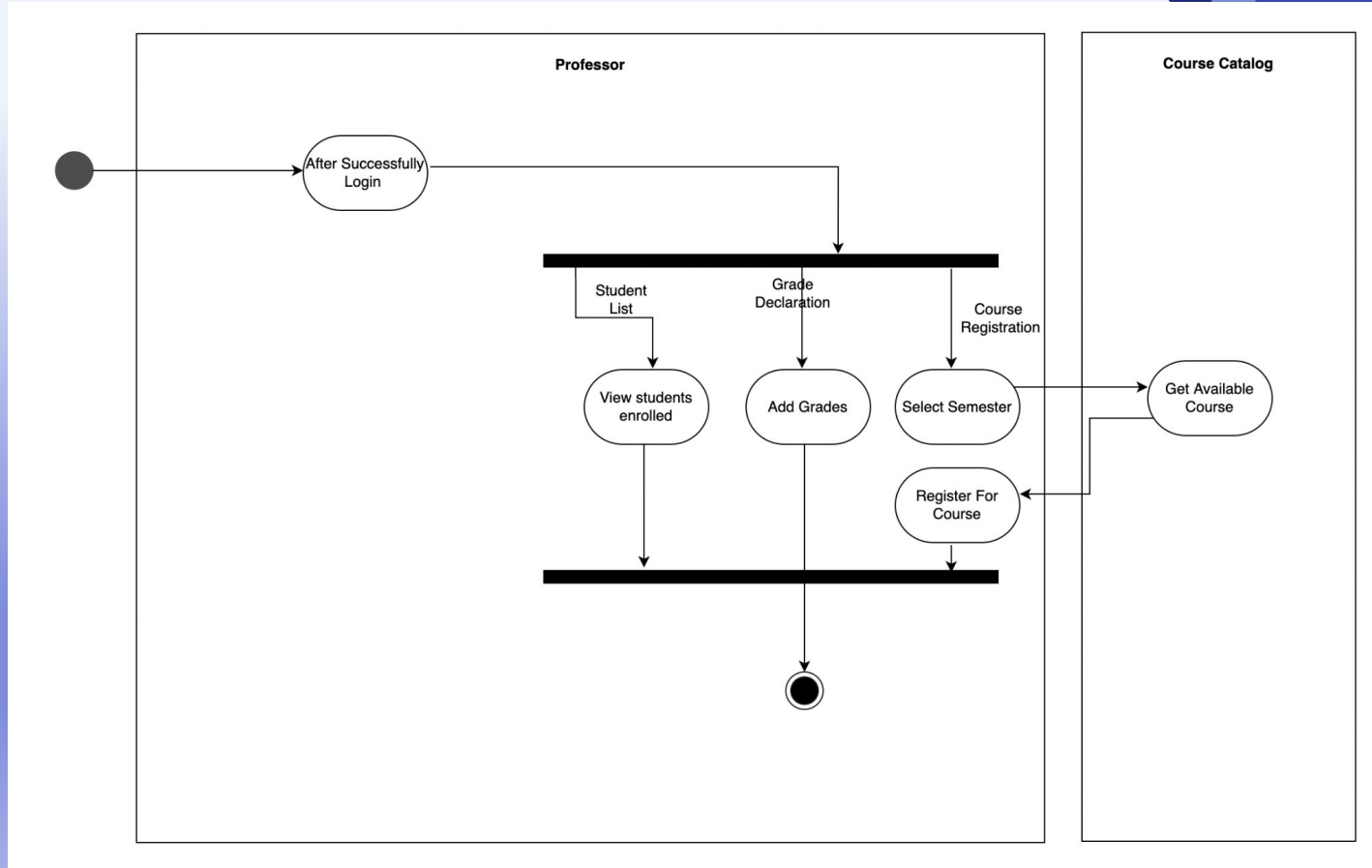
Activity Diagrams

Student

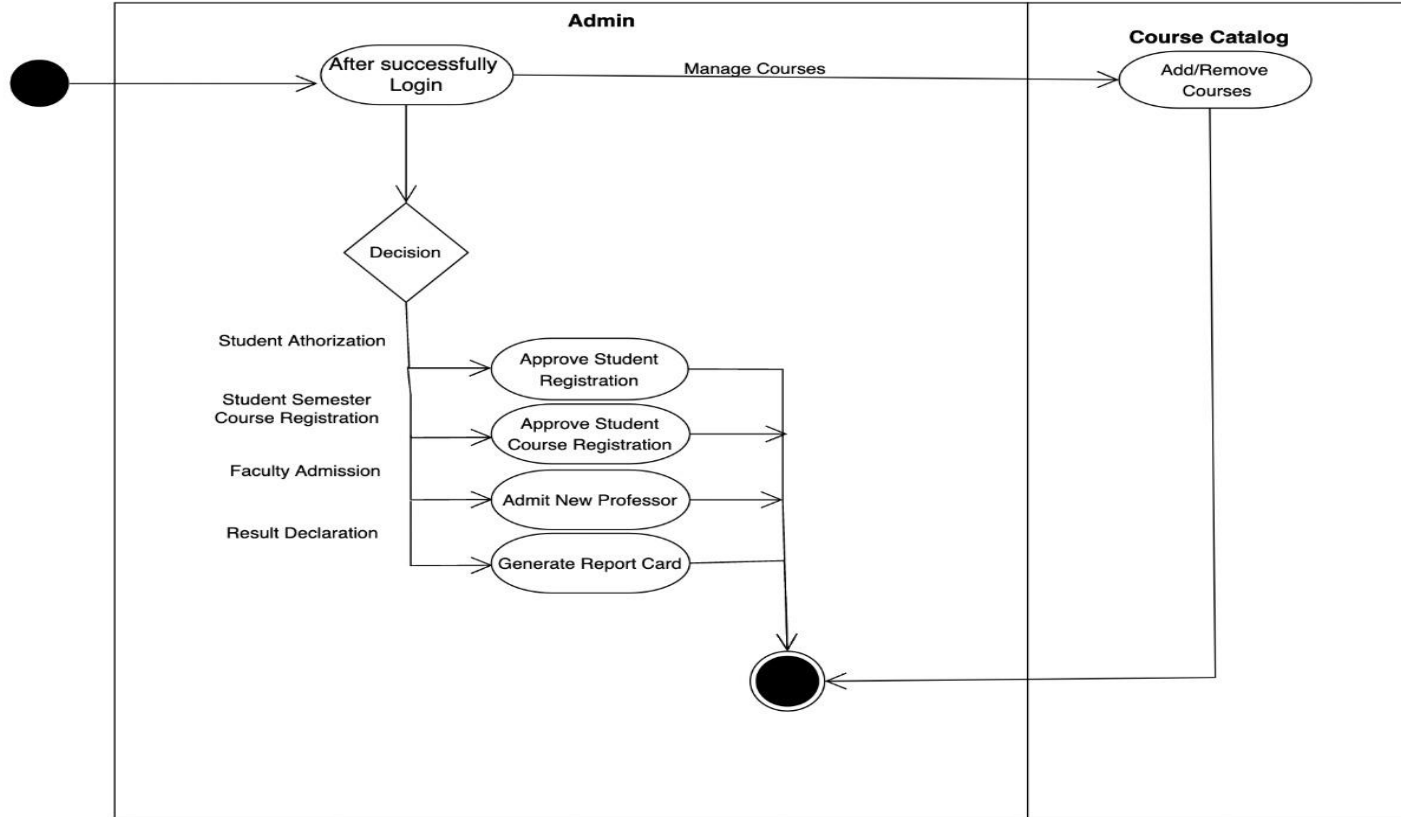
Student Activity Diagram



Professor



Admin





DEMO

- ❑ **POS Application**
- ❑ **Rest Application**
- ❑ **Dropwizard**

Git repo - <https://github.com/sanyamjainflipkart/CRS-Flipkart-REPO-Group-6>

LEARNINGS AND CHALLENGES



LEARNINGS

- Familiarization with Unix Commands.
- Getting hang of the basic Git commands.
- Software Development Life Cycle.
- Knowledge and Implementation of Activity, Sequence and Use Case Diagram.
- Java 8 features.
- Integration of REST Services with Java code using Jersey.
- Dropwizard Integration and Advantages.
- Usage of Postman for testing APIs.
- Javadoc Generation & basic Application Monitoring.

CHALLENGES

- ❑ Understanding the problem statement and initial implementation using Use Case, activity, sequence and class diagram.
- ❑ Installing software on multiple environments.
- ❑ Git merge conflicts.
- ❑ Resolving jar and version dependencies.
- ❑ Database integration challenges.
- ❑ Working Remotely

**ANY
QUESTIONS?**





THANK YOU!!

