COURSE REGISTRATION SYSTEM

GROUP-B JEDI Training

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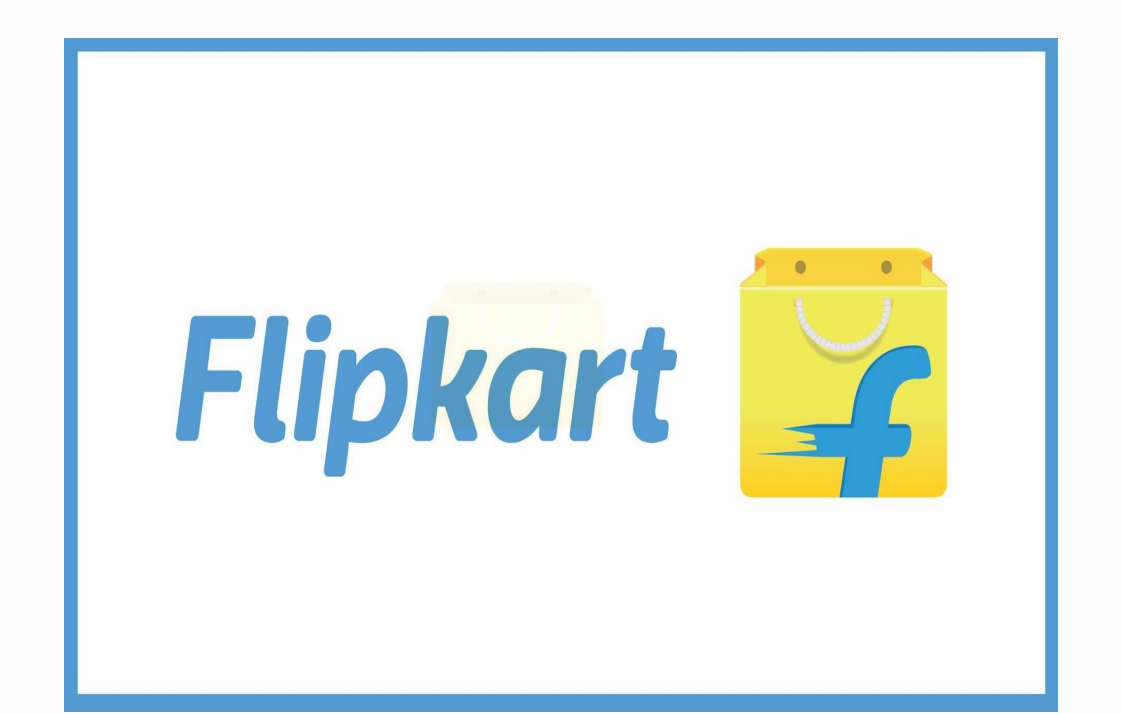
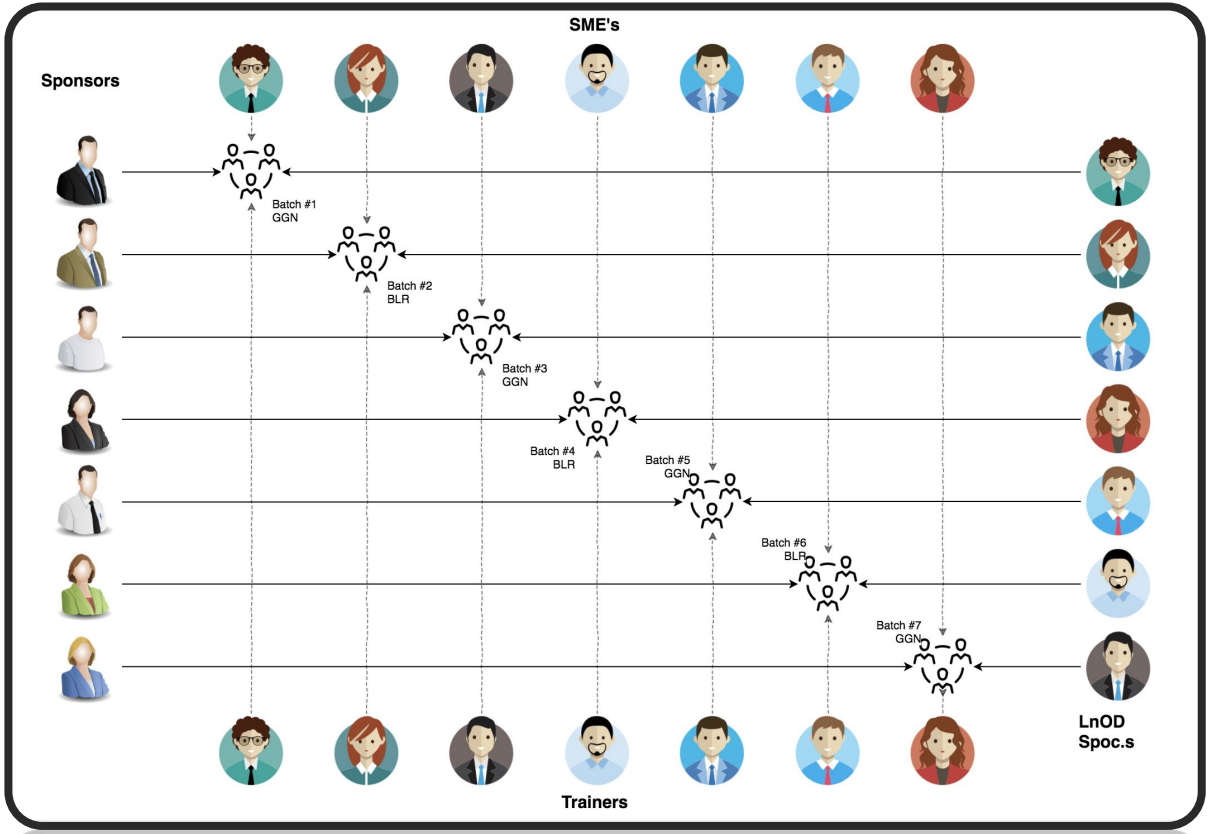
Hima Bindu

Course Registration System



Stakeholders

1. Sponsors
   - Flipkart
2. SME
   - Amit Balyan
3. HR's and Coordinates
   - Anushka Khanna



Agenda

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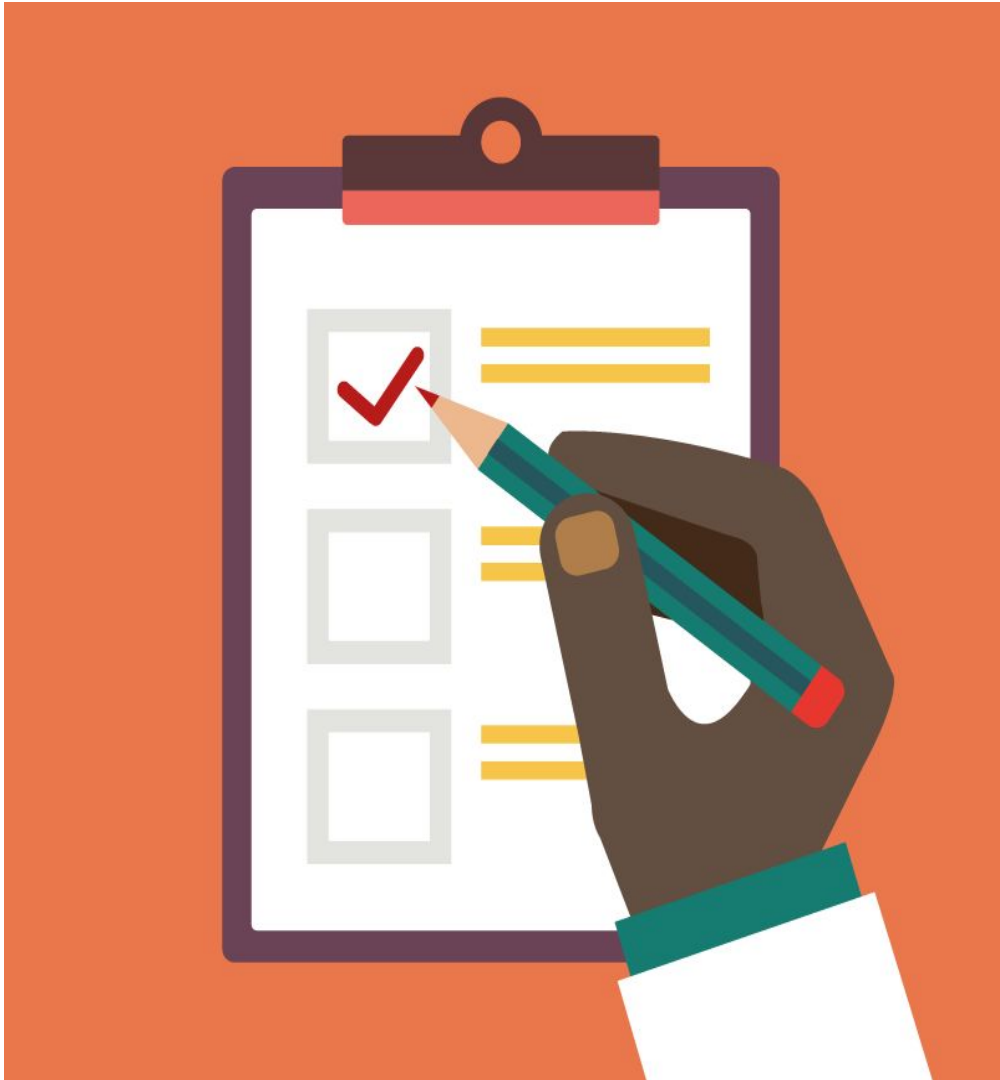


Our Journey

ACTION PLAN

	Modules	Description
Day1	• GIT • UML Diagrams	➔ Comprehend Git commands Analyze ➔ Requirements and Design UseCase and Class Diagram
Day2	• Java17	➔ Developing core Java packages such as Clients, Business, and Bean. ➔ Organized packages with skeleton code.
Day3	• Java17 Interface • MySQL • Exception Handling	➔ Outlined class interfaces, Established DAO package for date access with JDBC, Integrated exception handling.
Day4	• Date and time api • For each loop api • Stream api • Documentation	➔ The API guarantees tracking for specific actions such as registration processes and integrations.

Our next starts **NOW**

Our Team

Name	**Responsibility**
Tejdeep Gutta	Class diagram, DAO, Business
Aishwarya saxena	Class diagram, Client, Business, Testing , Constants
Utsav Gupta	Class diagram, DAO , Presentation , Validators
Devani Sravya	Use case diagram, Client , Exceptions
Sistla gayatri	Use case diagram, Bean, Exceptions
Hima Bindu	Use case diagram, Bean, Presentation

Project Goals

Our Vision

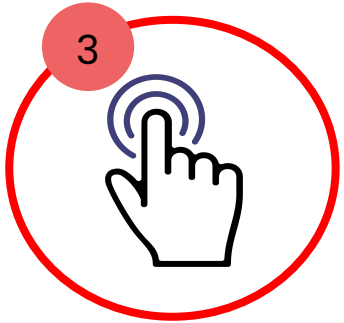
Our aim is to revolutionize the student registration experience by crafting a cutting-edge platform that prioritizes user satisfaction for both students and faculty alike.

Students will encounter an interface that is not only sleek and modern but also effortlessly navigable. From browsing course options to managing schedules and accessing report cards, every step will be intuitive and seamless. They'll have access to a wealth of information about courses, professors, and departmental details, empowering them to make well-informed decisions about their academic journey. Moreover, students will have the flexibility to adjust their schedules within set deadlines, ensuring their academic plans remain adaptable to their evolving needs.

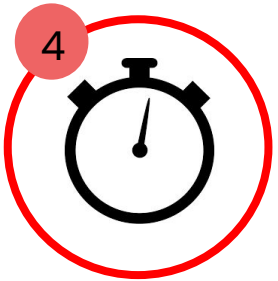
On the faculty side, our system will equip instructors with robust tools for efficient course management. They'll be able to easily view enrolled students and manage course logistics, freeing up valuable time that can be dedicated to teaching. Additionally, our streamlined grade recording and management system will provide a secure and efficient way for faculty members to monitor student progress, ultimately enhancing their ability to support student learning and success.

Quality

Security

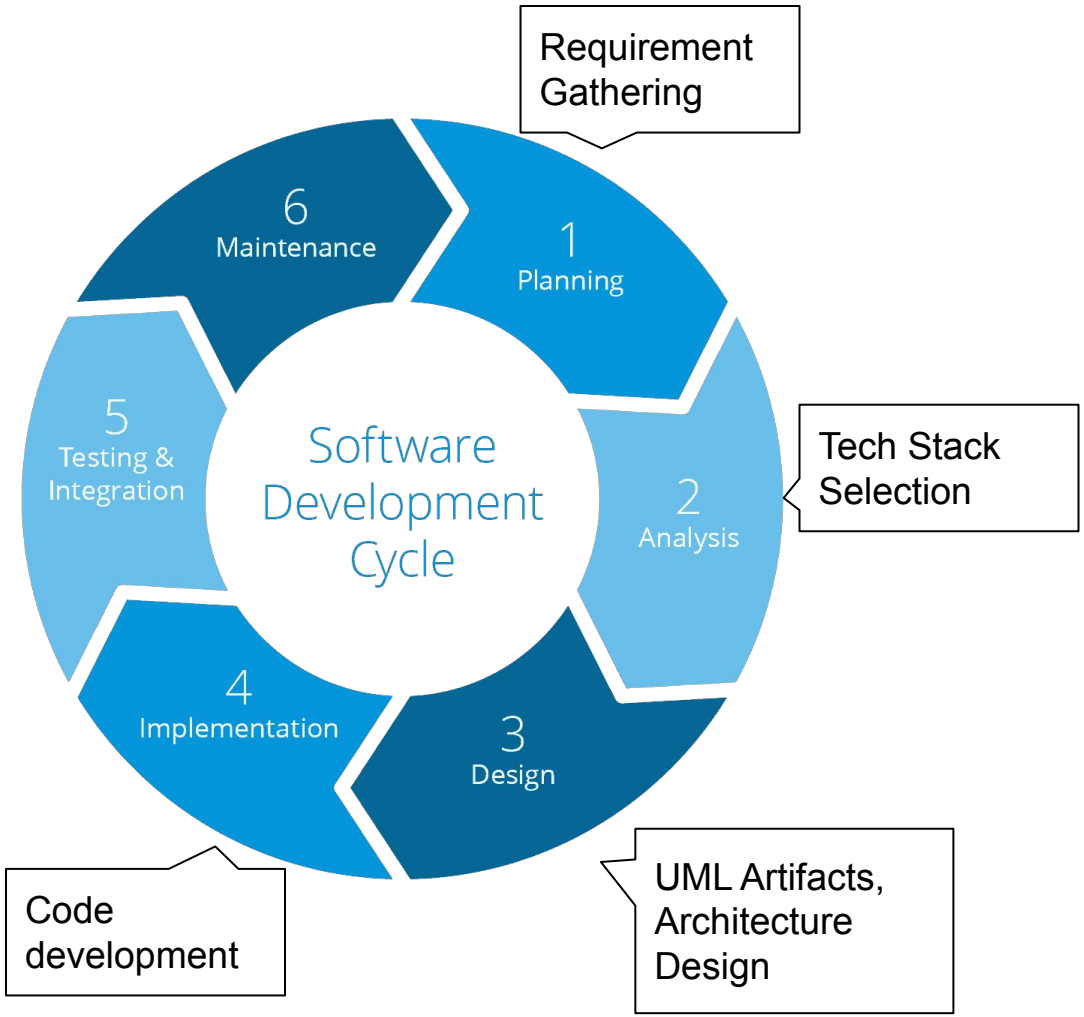


Interactivity



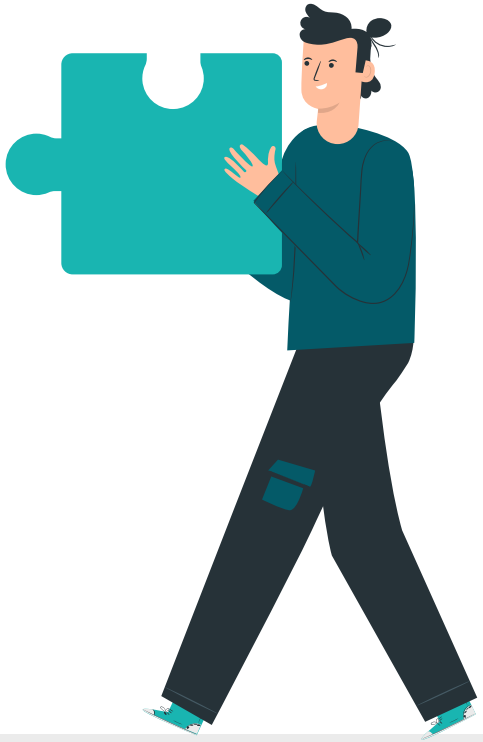
Speed

Engineering Practices


Requirement Gathering
1 Planning
Tech Stack Selection
2 Analysis
UML Artifacts, Architecture Design
3 Design
Code development
4 Implementation
5 Testing & Integration
6 Maintenance
Software Development Cycle

Tech Stack

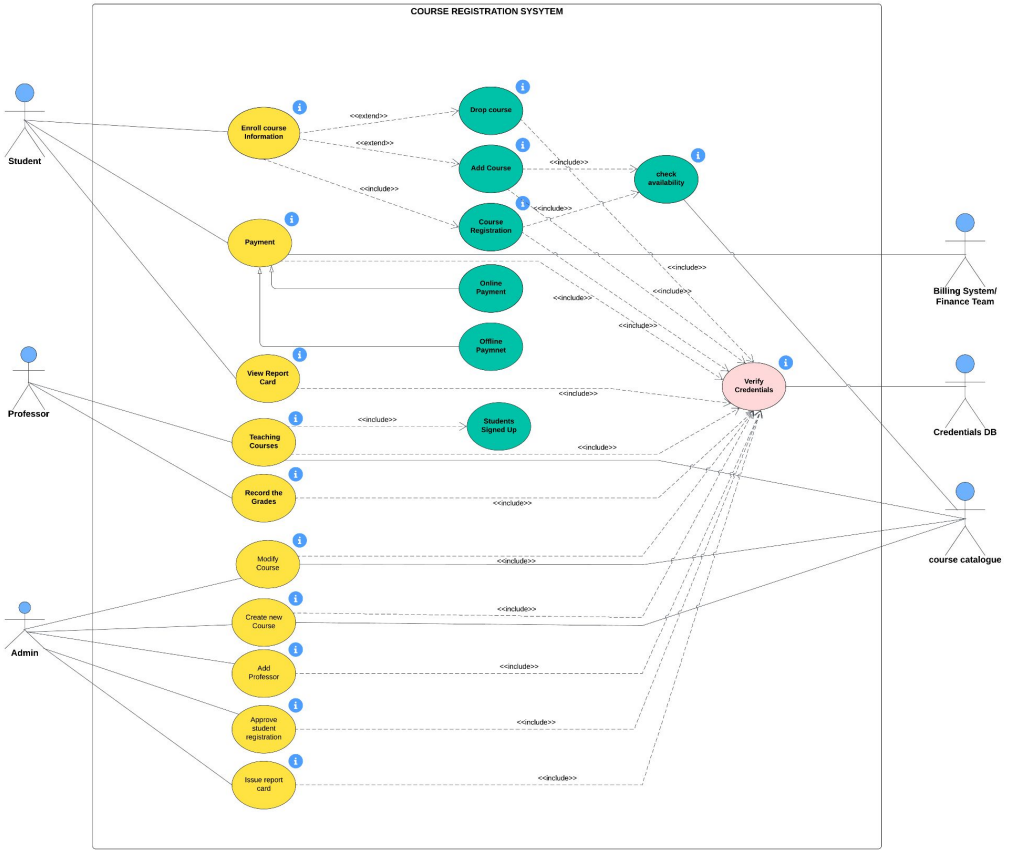
Designing	Backend	Testing	Data	SCM
UML	Core Language	Tools	SQL Database	Code Collaboration
Lucidchart	Java Framework	git	MySQL	GitHub



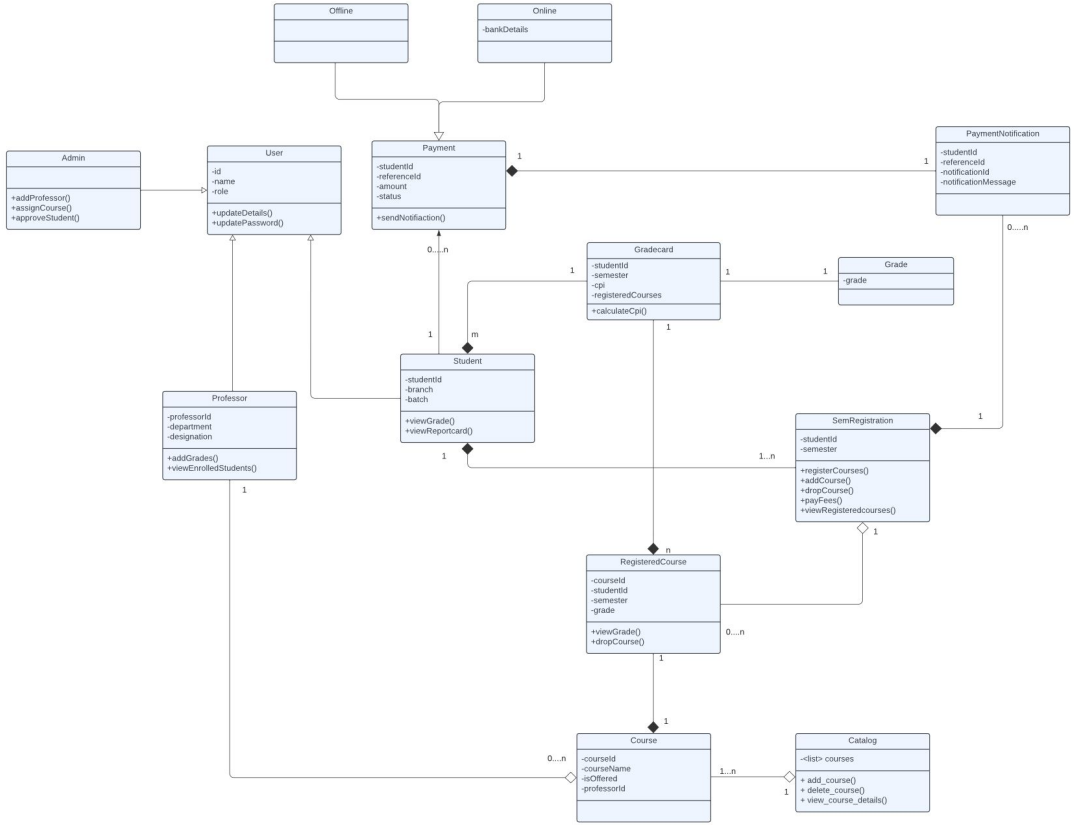
As a part of software designing phase, we used UML modelling language for representing problem into graphical form as per **best engineering practices.**

UML MODELLING

1. Use Case Diagrams



2. Class Diagram



Challenges & Learnings

	Challenges	Learning
Day 1	➔ Understanding the problem statement ➔ Collaboration issues such as merge conflicts in Git ➔ UML diagram conventions	➔ Git commands ➔ UML Diagrams
Day 2	➔ Understanding Object Oriented Approaches	➔ Java 17
Day 3	➔ Connecting the database	➔ Interface, Exception Handling, data access objects(dao)
Day 4	➔ Understanding and incorporating Input streams and date time API	➔ Stream API

Demo

Questions

Thank you