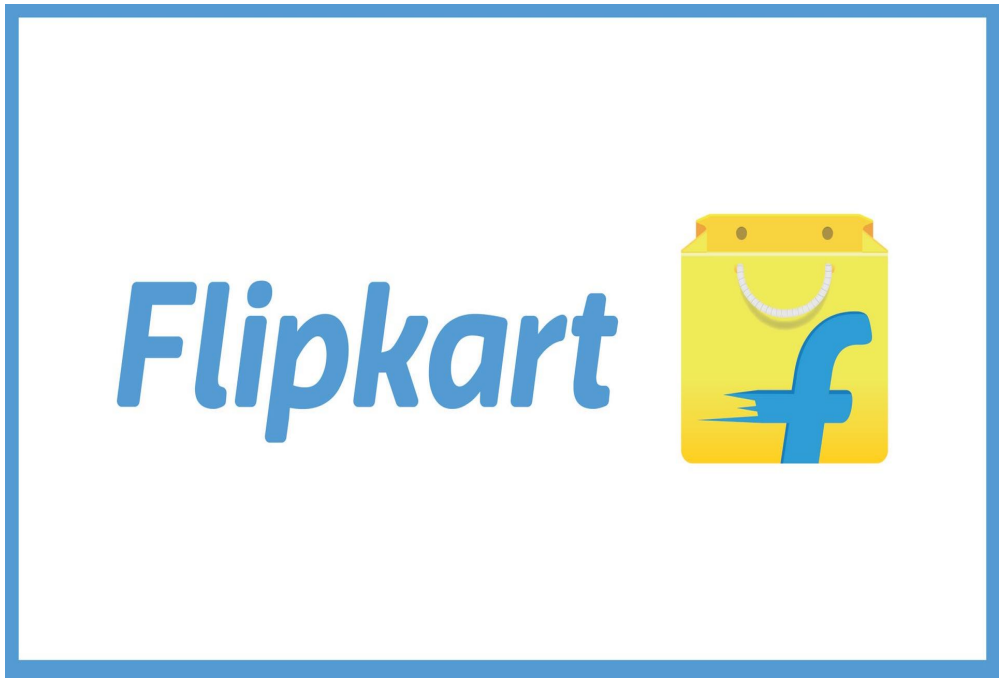
Course Registration System



1

The Ask – Where we started?

Framework for 1 Week

Day-1
Prerequisites, setup the system by doing the required installations, did pre-reading from the given resources.

Day-2
Learned about Git and GitHub, git commands. Gained knowledge about managing collaborative projects on Git, push and pull requests.

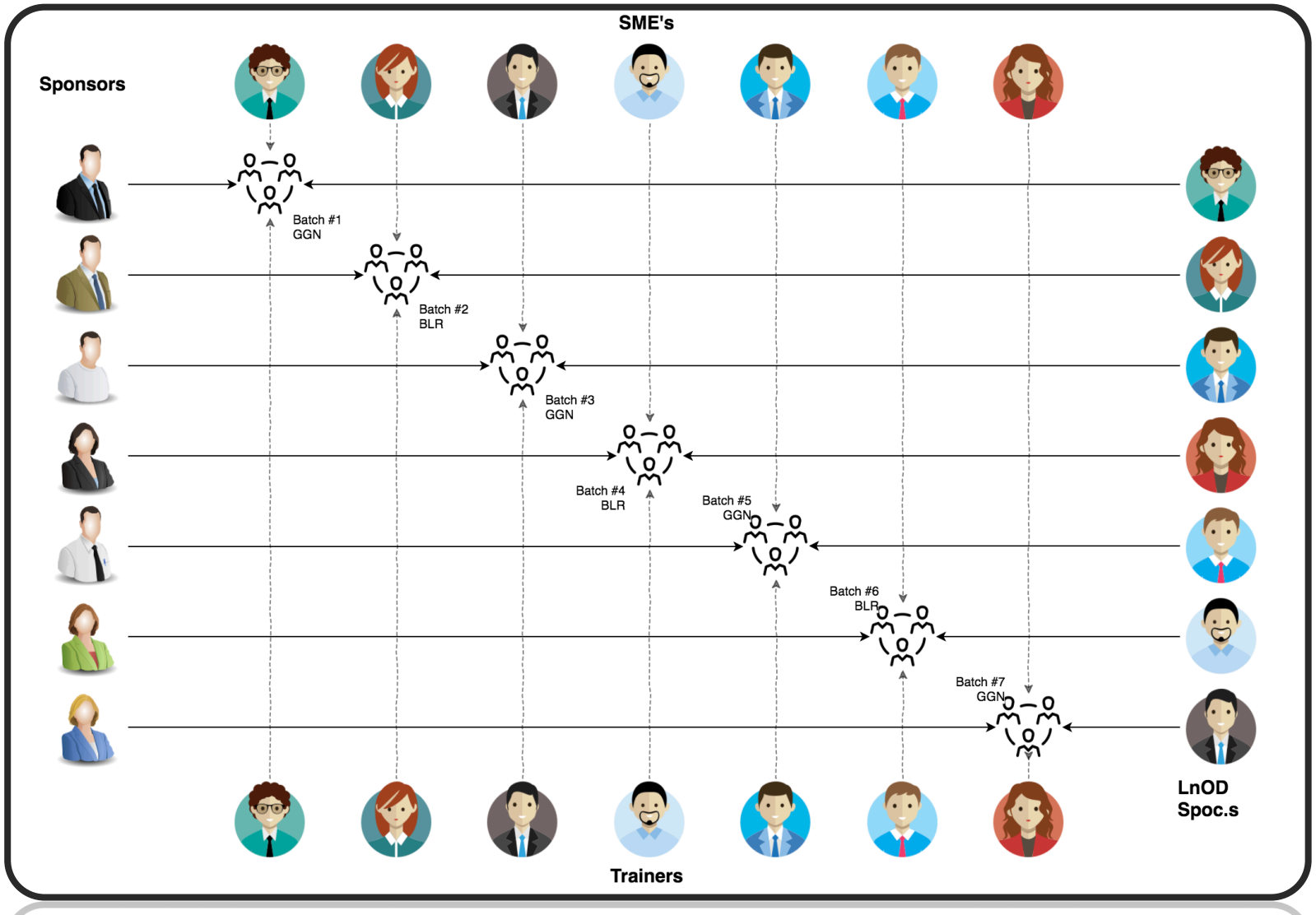
Day-3
Got familiar with Java, coded a demo project entirely based on Java.

Day-4
Learnt MySQL, learned to create tables on workbench, JDBC-connecting the Java code with the database

Day-5
Refined the project based on reviews from the trainer, added additional functionalities, documentation and presentation.

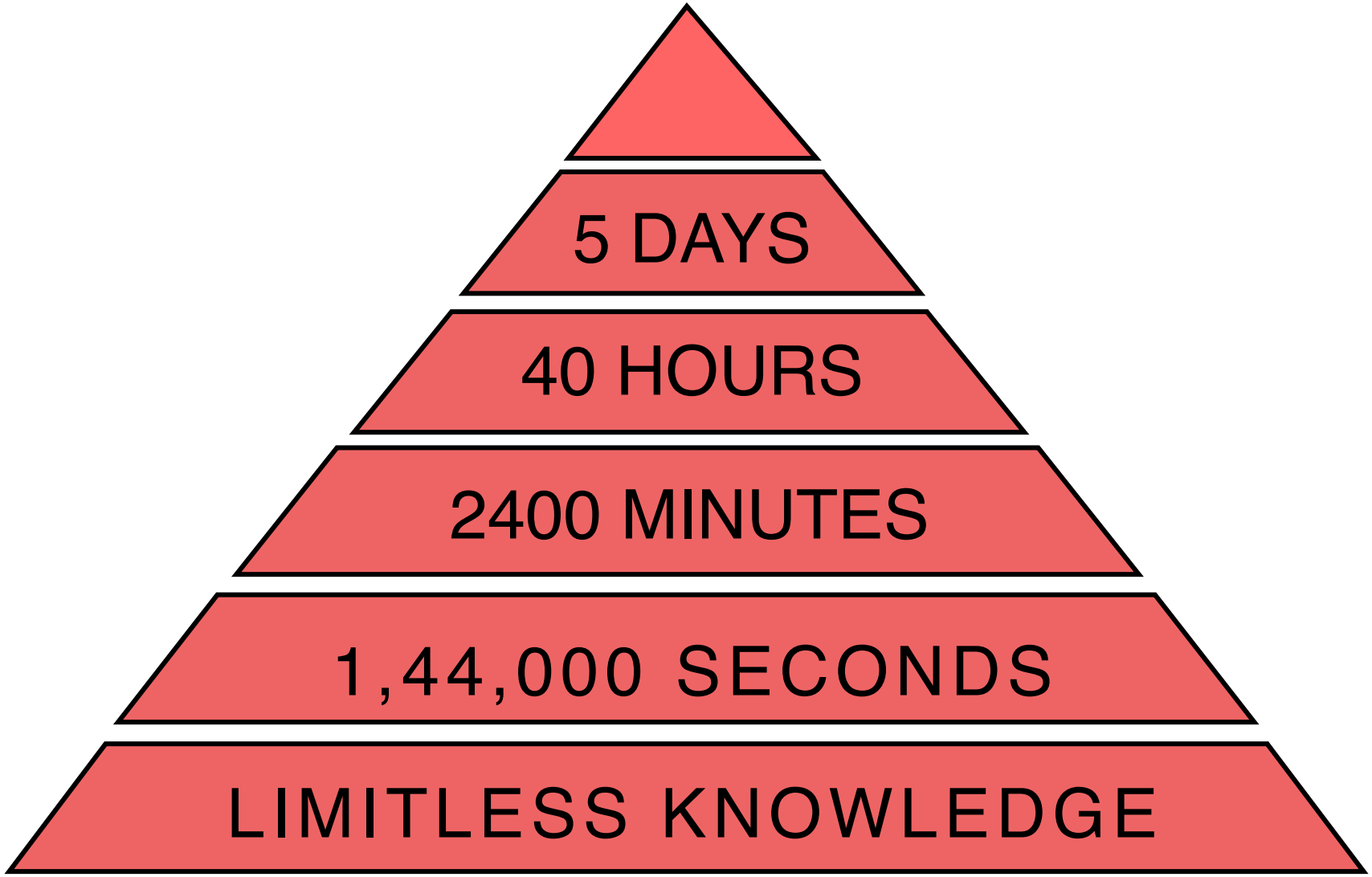
Stakeholders

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



Our next starts **NOW**

1 WEEK OF TRAINING + PROJECT DEMO



Agenda

01 Our Journey

02 Our Team

03 Team Structure

04 Problem Statement

05 Engineering Practices

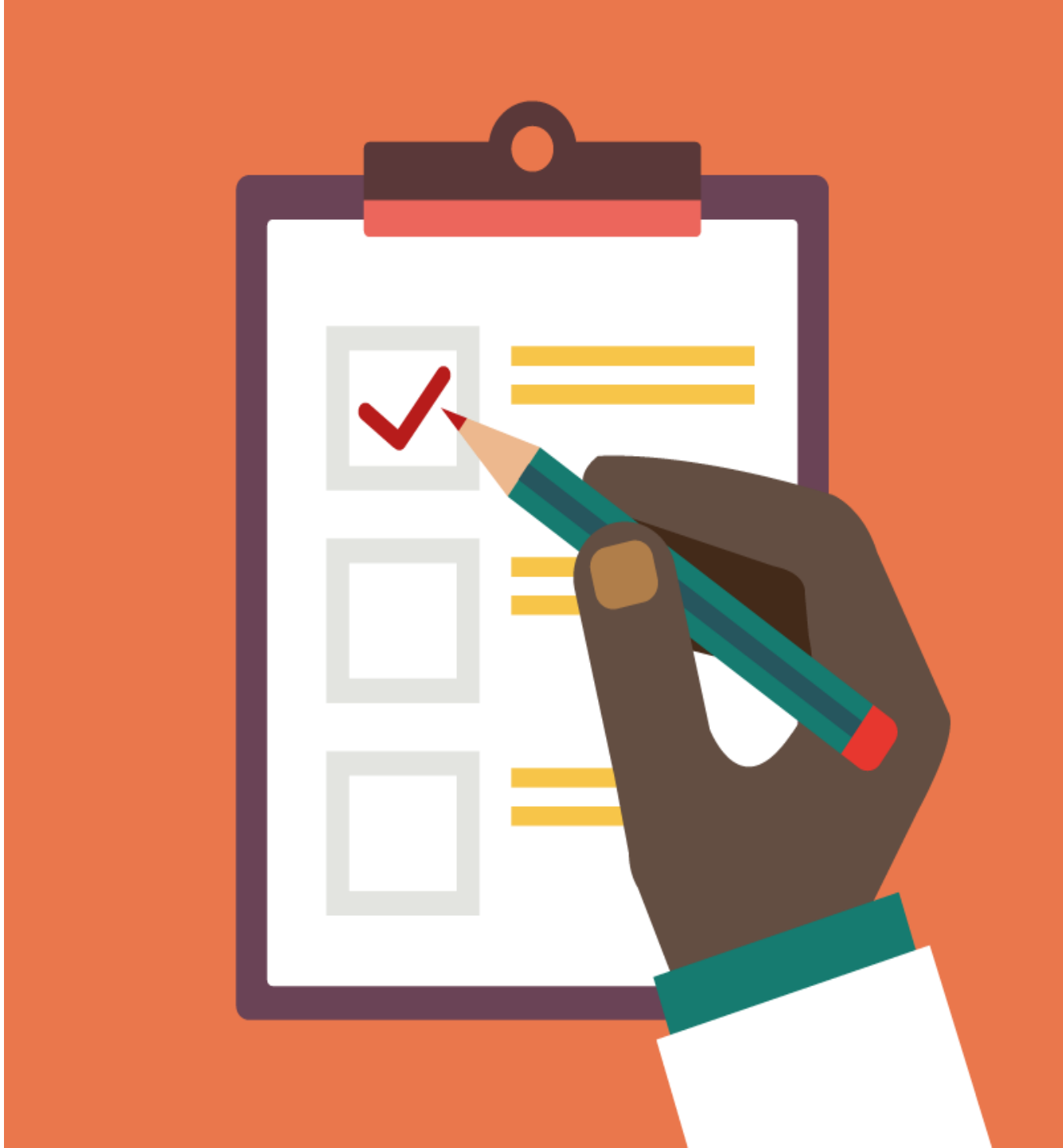
06 Tech Stack

07 Development

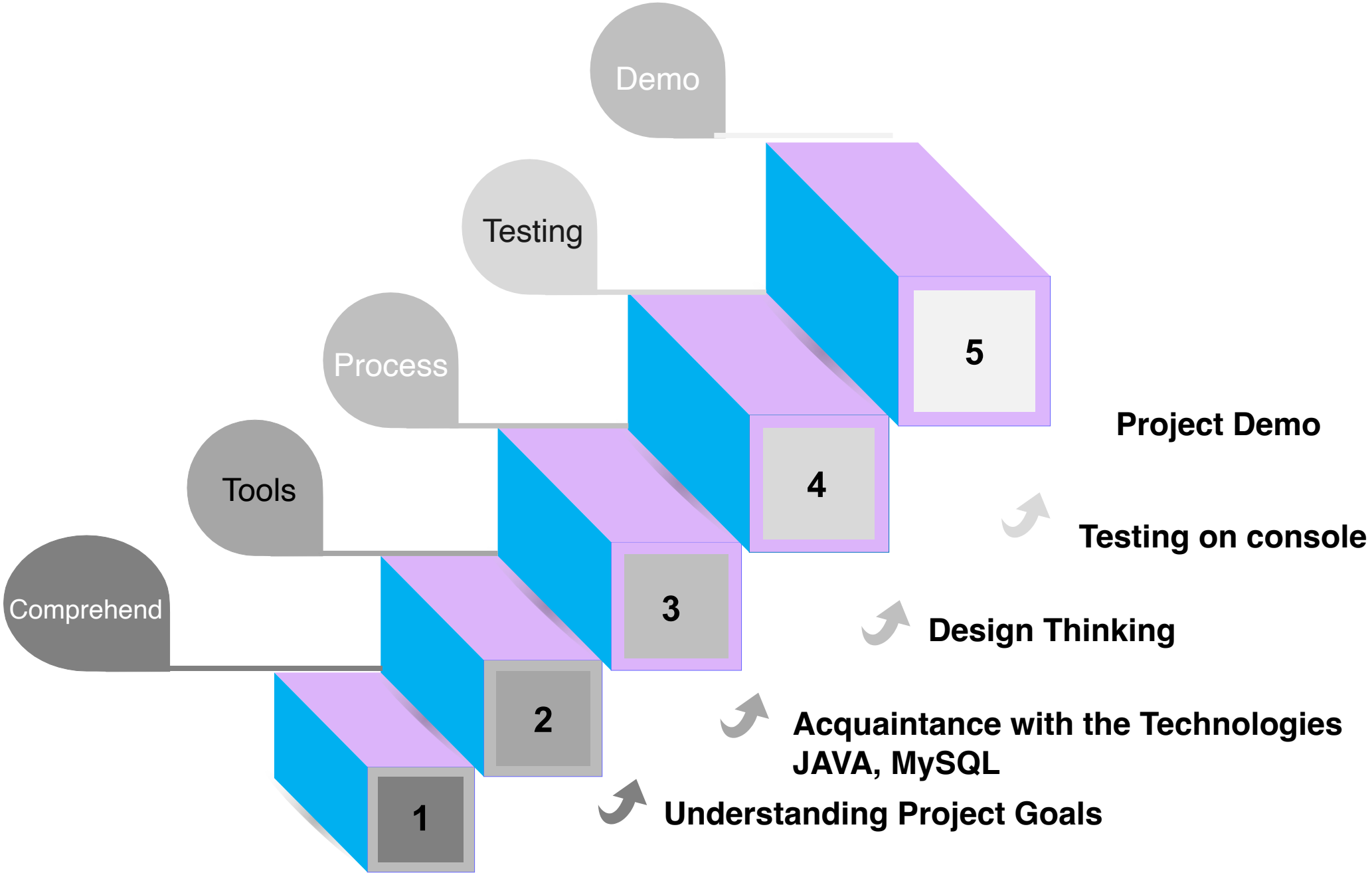
08 Challenges & Learnings

09 Demo

10 Questions



Our Journey


Demo
Testing
Process
Tools
Comprehend
5
4
3
2
1
Project Demo
Testing on console
Design Thinking
Acquaintance with the Technologies
JAVA, MySQL
Understanding Project Goals

Our Team

Janhavi Singh

Arya Kondawar

Priyansh Mehta

Vejandla Yasasvi Sai Naga Laxmi

Kopoori Poojitha

Anurag Kushwah

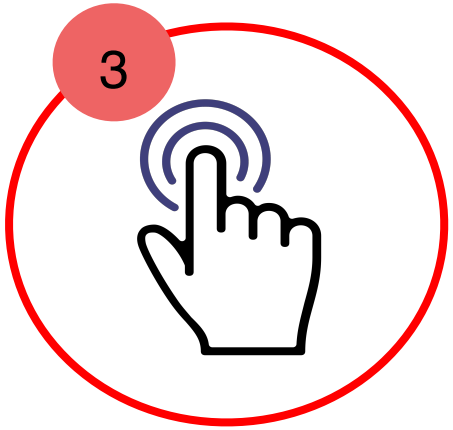
Project Goals

Our Vision

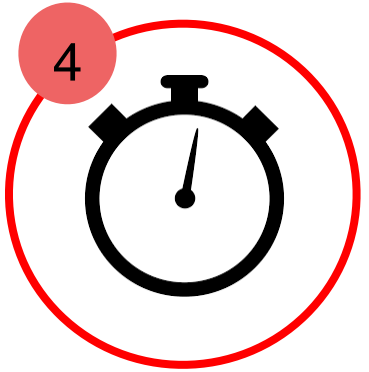
To develop a POS application for **Course Registration System** using JAVA where the student can register, add/drop course, professors can view courses, enrolled students while admin can manage users, add/ drop courses to catalog.

Quality

Security

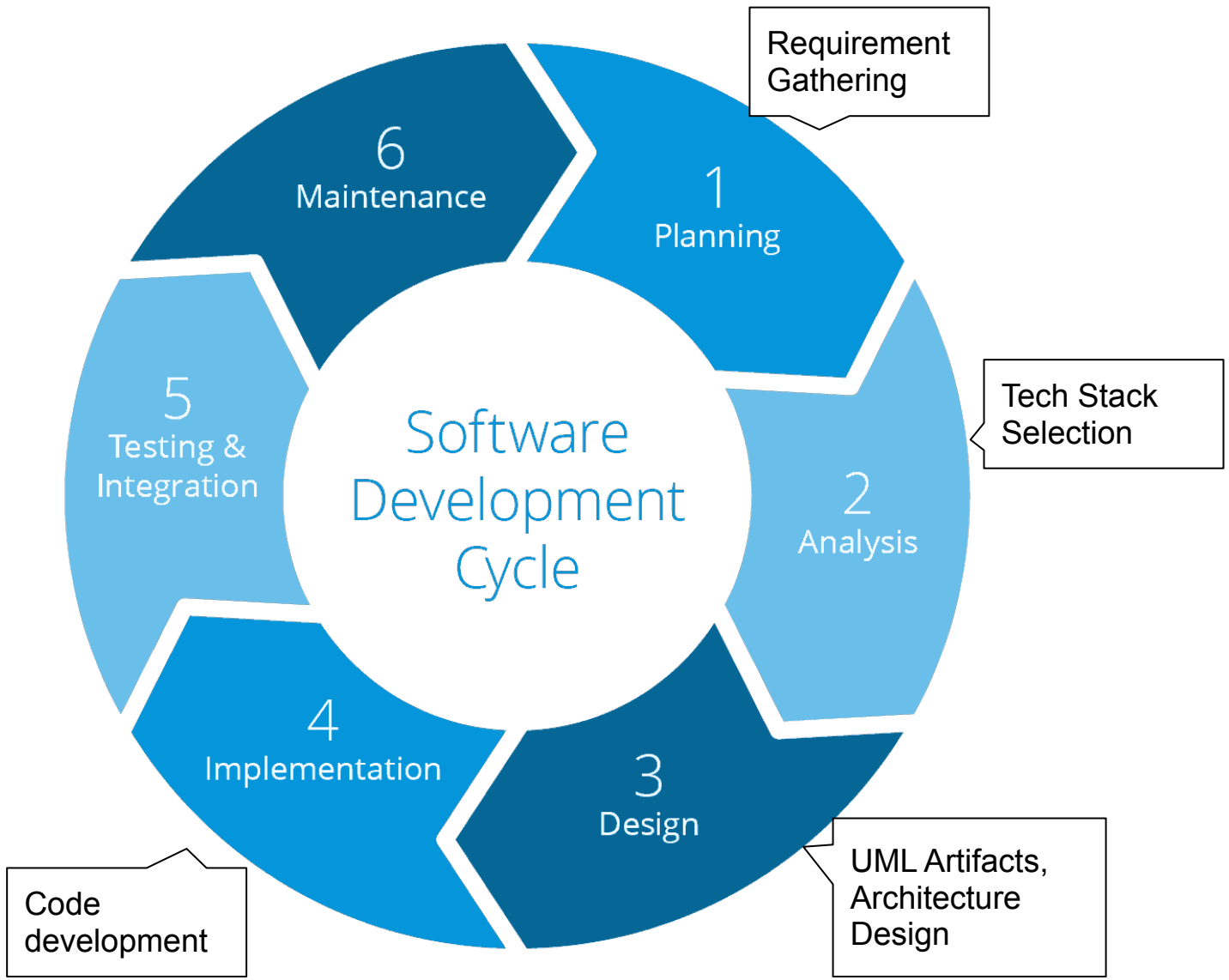


Interactivity



Speed

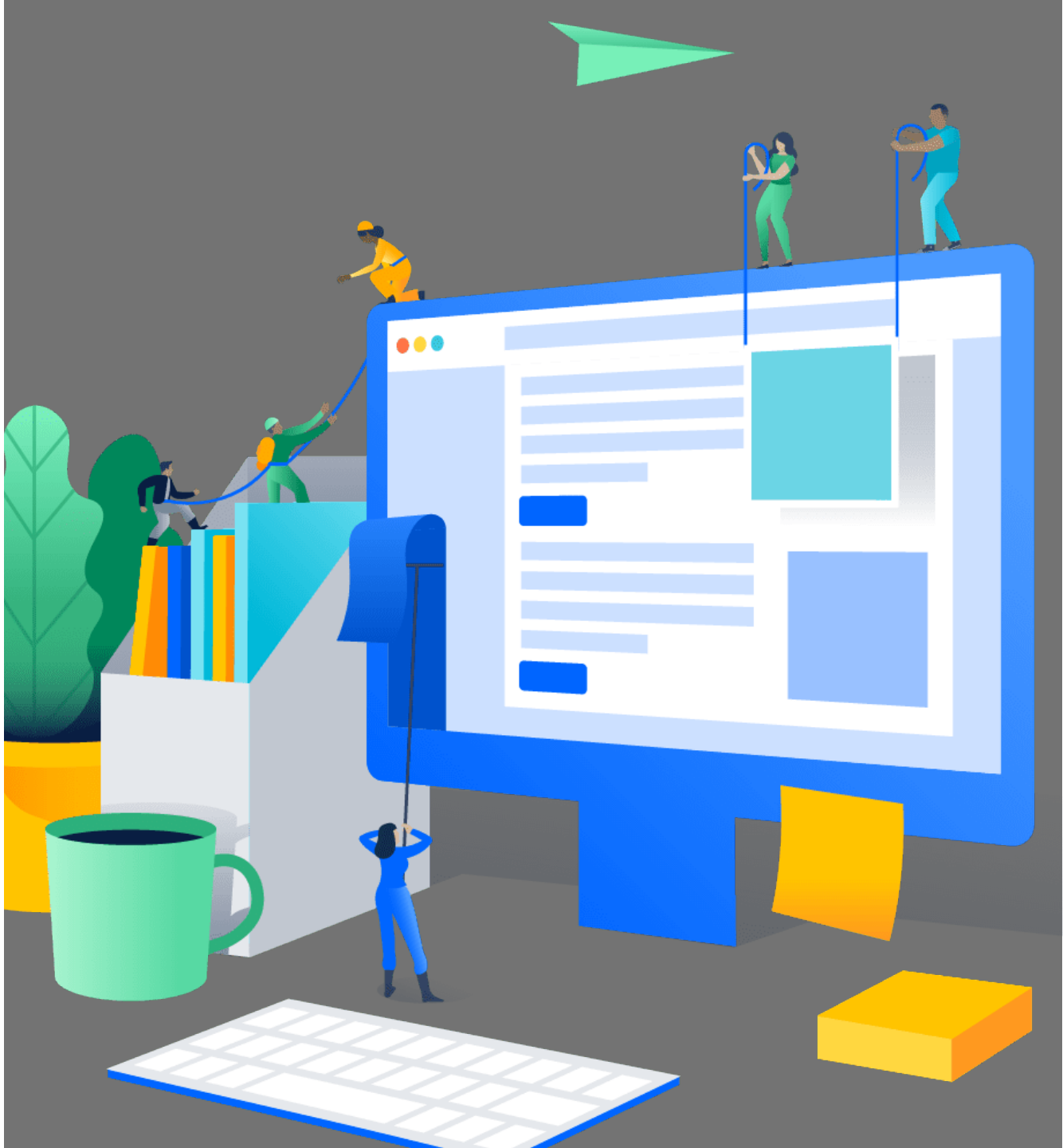
Engineering Practices


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

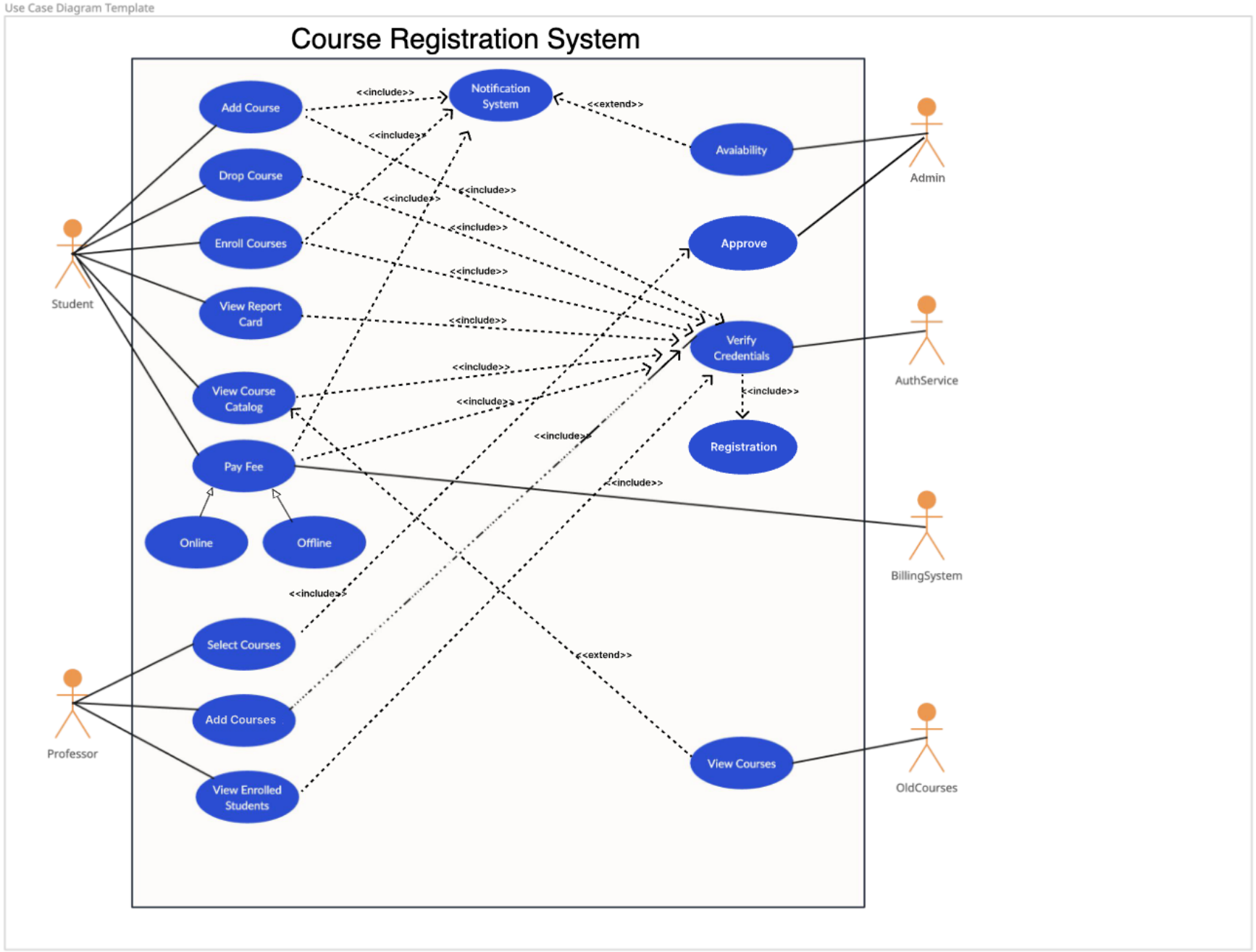
Tech Stack

Designing	Backend	Testing	Data	SCM
UML	Core Language	Tools	SQL Database	Code Collaboration

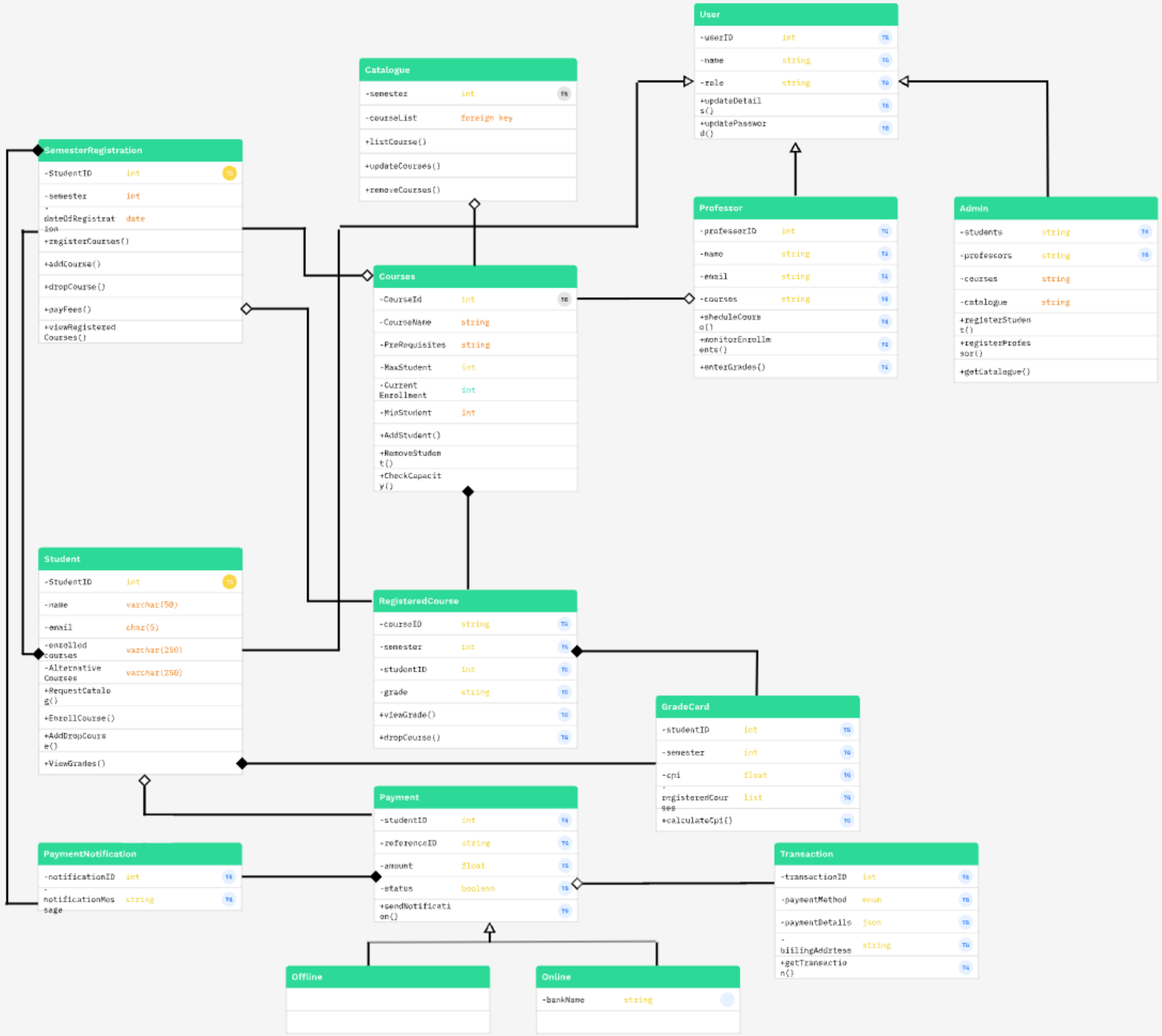
Development



USE CASE DIAGRAM



Class Diagram



Challenges & Learnings

	Challenges	Learning
Day - 1	Prerequisites, setup the system by doing the required installations, did pre-reading from the given resources.	JDK, MySQL, Workbench, Spring Tools Suite, Maven.
Day - 2	Understanding problem statement. Collaboration issues such as merge conflicts in Git. UML diagrams	Learned about Git and GitHub, git commands. Gained knowledge about managing collaborative projects on Git, push and pull requests. Learned about UML and USE case diagrams
Day - 3	Developing the code in a modular way by using packages and classes based on problem statements using use case diagrams and class diagrams.	Got familiar with Java, classes and packages. Coded a demo project entirely based on Java.
Day - 4	Connecting database with the implemented java code.	Learnt MySQL, learned to create tables on workbench, JDBC-connecting the Java code with the database
Day - 5	Managing blank input, string input and integer input.	Refined the project based on reviews from the trainer, added additional functionalities, documentation and presentation. Learned about SteamAPI and new featured in Java.

Demo

Questions

Thank you