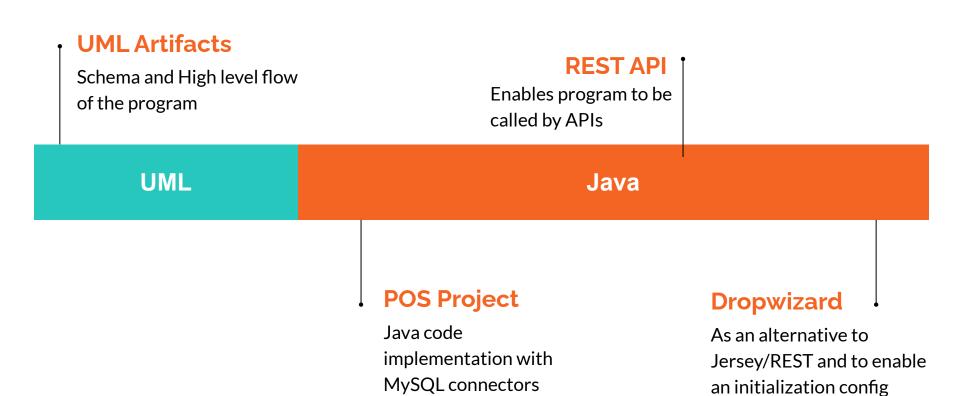
JEDI Bootcamp



3 weeks journey

- UNIX
 - File manipulation and Shortcuts
- GIT
 - Push, pull, commit
- Java
 - Basics, log4j, Collections, Exceptions
- SQL
 - JDBC, JOIN, basic SQL syntax
- REST
 - GET, POST, PUT, DELETE, jax-rs
- Dropwizard

Milestones





StakeHolders

- → Trainer
 - Mr. Amit Balyan
- → Training Sponsor

 Learning & Development team, Flipkart
- → Training Facilitator
 OrderTrainings

21 DAYS

480 HOURS

28,800 MINUTES

1,728,000 SECONDS

LIMITLESS KNOWLEDGE

Our Journey

AGENDA

To understand and apply all the aspects involved to a production level Software Development LifeCycle Process right from the Planning and Conception of the Flow of the Program towards its UML designs to its implementation in code finally layered as REST APIs for calls by a client in the context of a Course Registration System



Our Team

Sahil Shah

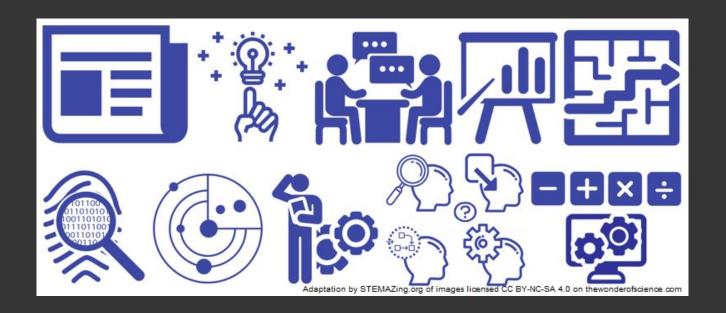
Nithesh

Rewant Kedia

Course Registration System



Engineering Practices



Tech Stack

- Git
- SQL
- JAVA
- DROPWIZARD
- JERSEY
- JUnit and Mockito



Development



- 1. Quick Debugging
 - a. Solved with Logger
- 2. Verifying module completion
 - a. Verified with using Interfaces
- 3. Ensuring Single DB connection throughout program
 - a. Singleton class
- 4. Ability to initialize a Config on start of program
 - a. Dropwizard

Challenges



Learnings

Sub-Projects

CRS-POS Project

Java

MySQL

log4j

CRS-REST Jersey Project

Jersey

Tomcat

jax-rs

CRS-Dropwizard Project

Dropwizard

Demo





Scope for Improvement.



#

- 1. Making the REST APIs stateless
- 2. Ensuring greater fault tolerance / Exception handling
- 3. Incorporating Unit testing
- 4. Enabling Resource lock for DB consistency purposes
- 5. Improving API Security
- 6. Session Control Management.

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Thank you!