**Case study 1**: **Account Management System** Monolithic Java FSD

1. Customer can have one or more bank accounts (Eg: ICICI,HDFC..).

2. Transfer amount from one account to another account

3. Create CRUD operations for Customer and Accounts

4. Develop customer login , after successful login show accounts summary. Click on account display account information available balance.

5. Transactions Filter/Search operation from date - to date show Transaction summary

Maintain all data in one DB

**Technology stack:** Spring/Spring Boot,Java 1.8,Any DB(H2/PostegreSQL/SQL Server..),Html,Angular Js

REVIEWER: G Naga Sireesha

**Case Study 3: Conference Room/Workspace Booking System**

User Module:-

1. User Login.
2. REST API for searching the availability of Conference room – by giving inputs Location, Date, In-Time, Out-Time, Seating Capacity.

It should show all the available list of conference rooms.

1. REST API should be developed to save the booking details – (above input fields should be auto populated in the form, and provide additional details like Employee ID, mail ID, mobile number).
2. On the successful booking, email should be sent to the given mail id.
3. RESTP API should be developed to allow the user to cancel his booked reservation with reason / comments.
4. Use Spring Data / JPA for the CRUD operations.

Admin Module:-

1. Login with Admin credentials.
2. CRUD operations for admin role to add & maintain the Conference Rooms with Location, Conf Room Name, Seating Capacity, etc. details.
3. CRUD operations for Adding & maintaining Employee details with his current location.

Batch Operation:-

Implement Spring Batch operation to schedule the job (weekly job) to generate a report in excel format and show how many reservations got cancelled during the given period.

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