

# Online Movie Ticket Booking Platform

Online movie ticket booking platform that caters to both B2B (theatre partners) and B2C (end customers) clients

**Brief steps towards design**

# Being Proactive

**Step that involves exhaustive discussion for requirements and thinking wide across all corners of all possible use cases**

# Requirements

**Enable theatre partners to onboard their theatres over this platform and get access to a bigger customer base while going digital.**

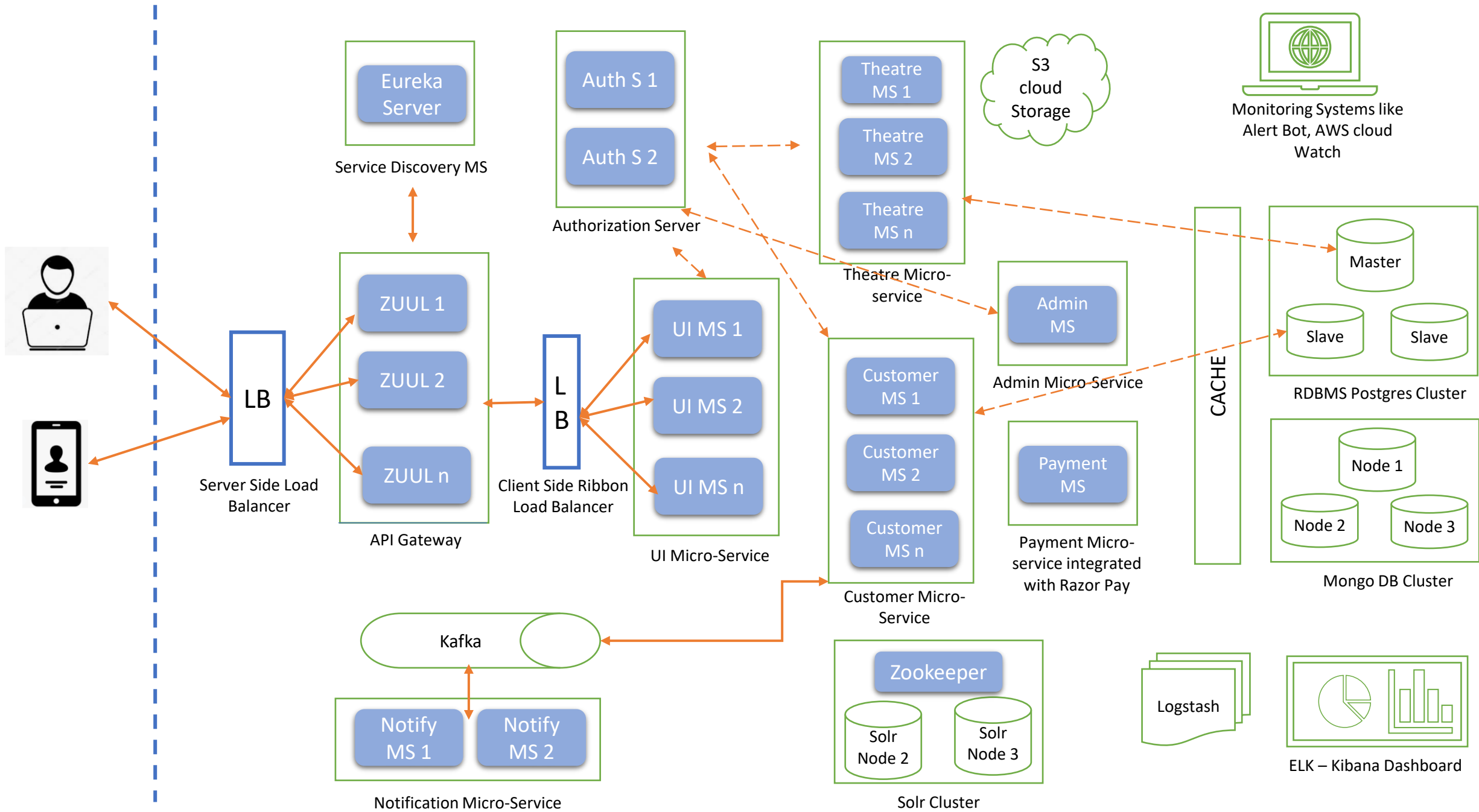
- Theatre partners shall be able to login to the system and should have privileges to create, update, read and delete their data like theatre, screens, shows, upcoming shows, seating categories, offers, etc.
- They shall be able to publish the future engagements as well as track history for their transactions on platform.
- They shall be able to update seat availability and their prices at runtime.
- System should have ability to integrate APIs exposed from existing IT systems of the existing theatres.

**Enable end customers to browse the platform to get access to movies across different cities, languages, and genres, as well as book tickets in advance with a seamless experience.**

- Any user shall be able to visit platform from any device like mobile, laptop, desktop over internet.
- They should be able to browse all the shows, theatres by location, show timings, etc. search criteria without needing to login to the system.
- They should be able to select the movie show for which they want to book the tickets, should be able to register themselves into system and book the ticket by paying online.
- They should be able to like, comment, share on the show also they should be able to see their previous history on the platform.

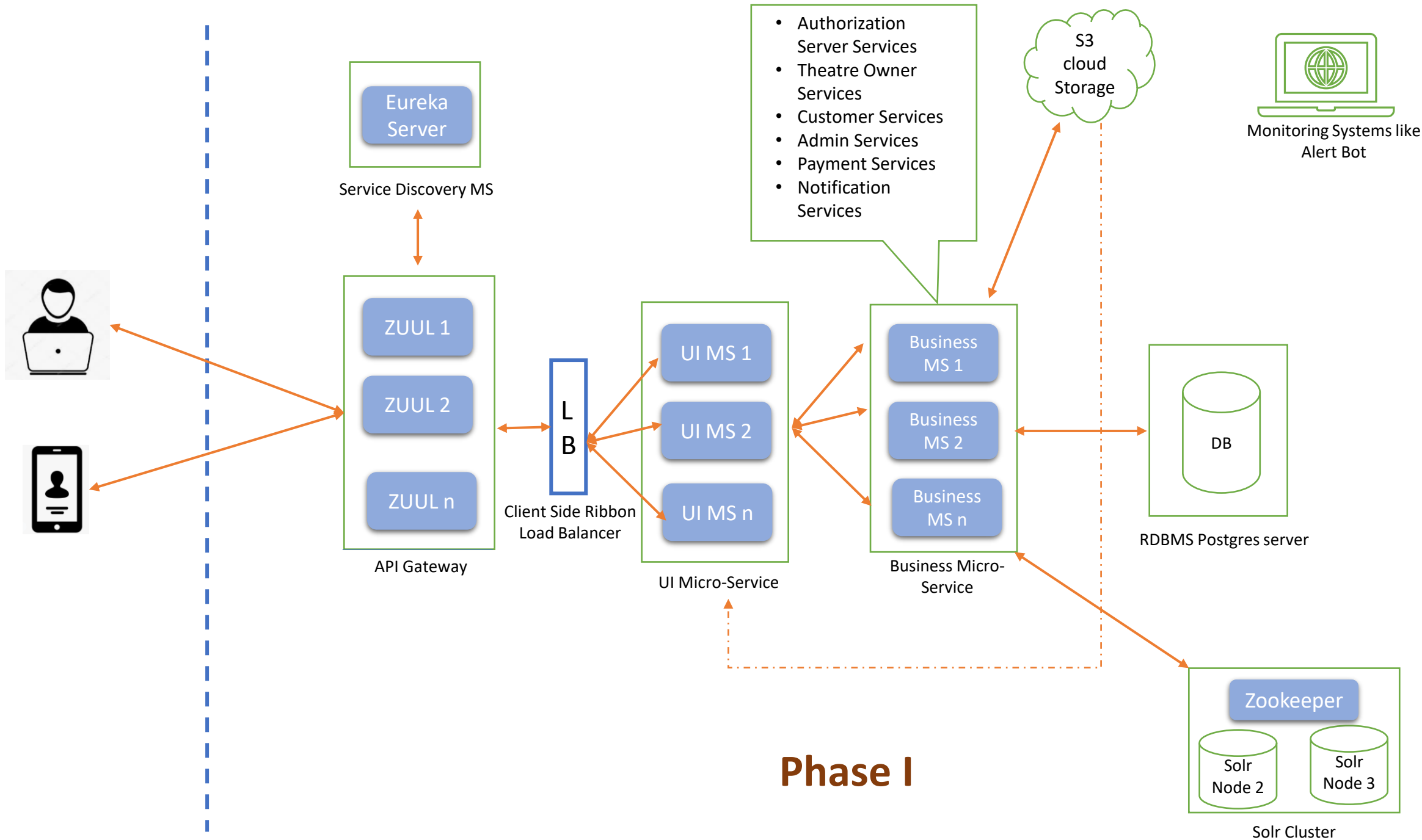
# Begin with End In Mind

**Step that defines our final milestone**



# Put First Things First

**Step that defines achievable milestone within given timelines**



# Technology and Frameworks

## Spring Boot

### Spring Cloud Netflix OSS

- Eureka Server
- ZUUL API Gateway
- Config Server
- Ribbon Load Balancer
- Hystrix Circuit Breaker
- Feign Client

### Spring Framework

- Spring MVC
- Spring Security
- Spring AOP
- Spring thymeleaf template Engine

## User Interface

- HTML
- CSS
- JavaScript
- jQuery
- Bootstrap 4

## Database

- Postgres SQL

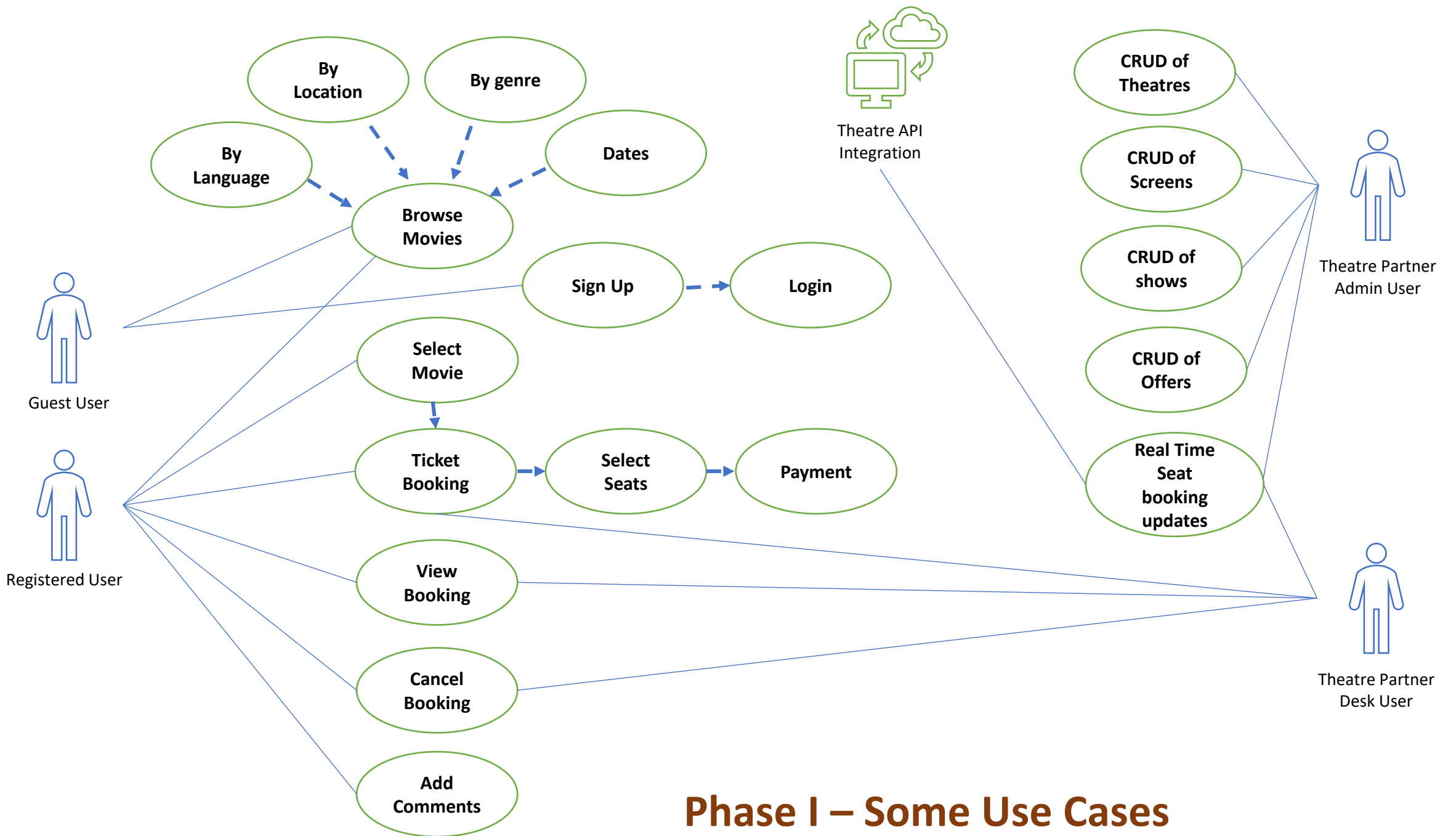
## Cloud Resources

- Simple Storage Service (S3)
- EC2 Instances
- RDS Postgres Instance

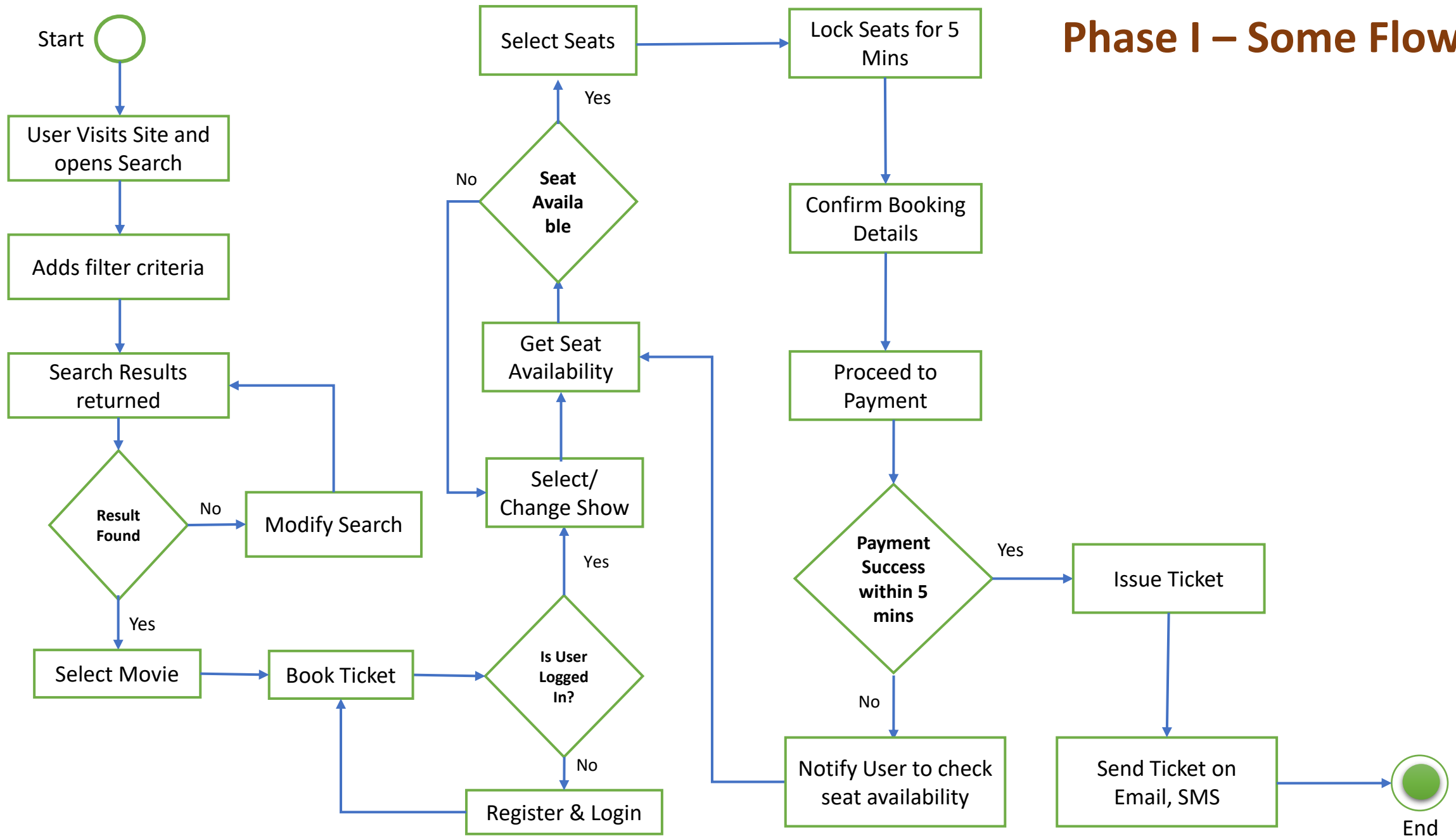
## Build Tool

- Gradle
- Batch Files
- SH files



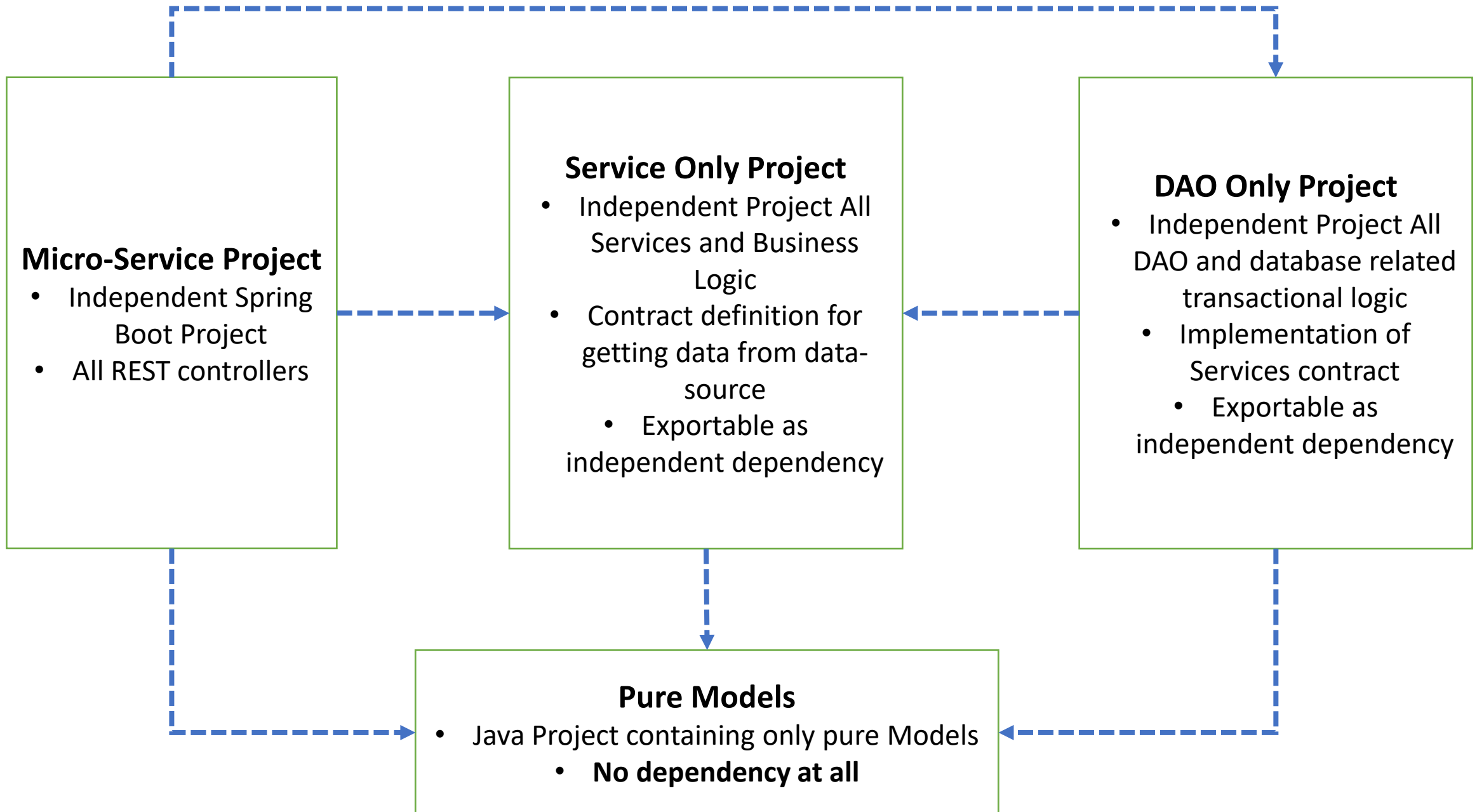


## Phase I – Some Flows



# Micro-Modules with Purity of Models

**Step that introduces unique concept and set of  
principles for designing a single unit of Micro-service**



# Core DB design

**Core business related tables**

