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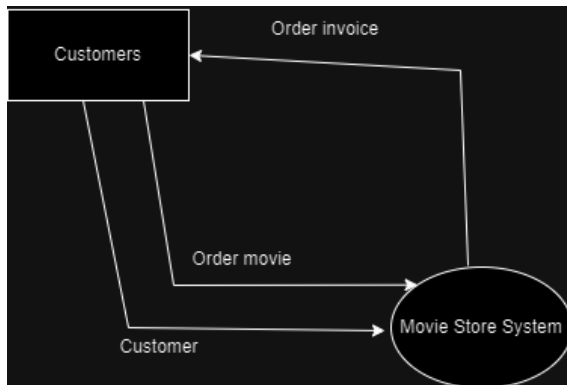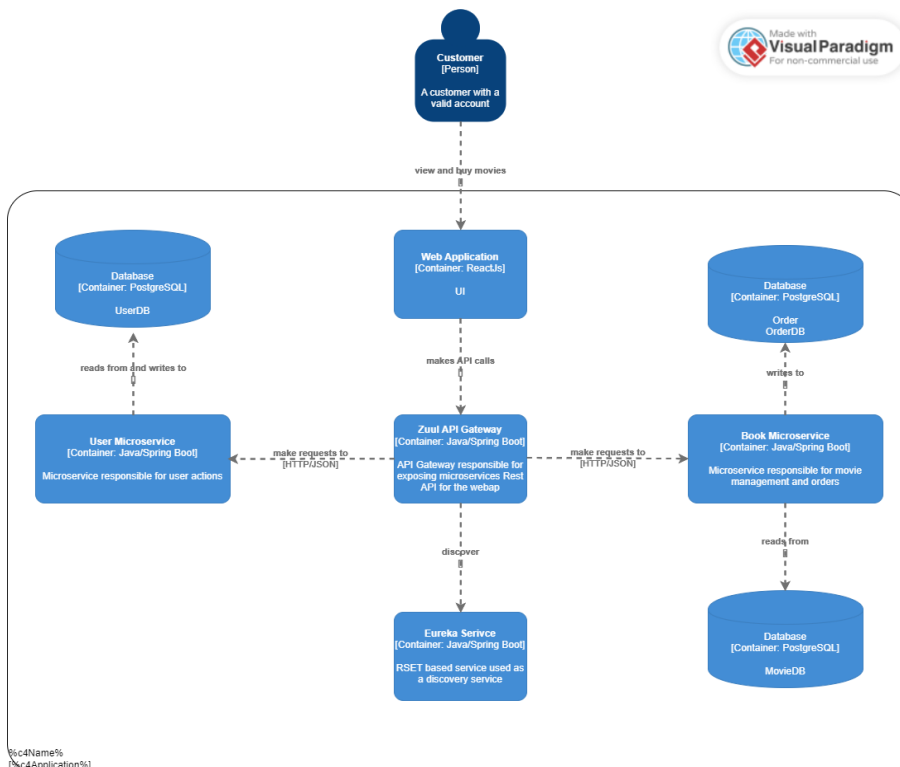
Movie Store Application

The movie store application is a web application that allows you to buy an online movie with the click of a button. The system enables new users to create an account, purchase a movie using the offered payment mechanism, and read information about it. The store is protected, and only logged-in customers can access the movies. You may also check how many users have purchased the products before you, and you can retrieve your orders through your own account.
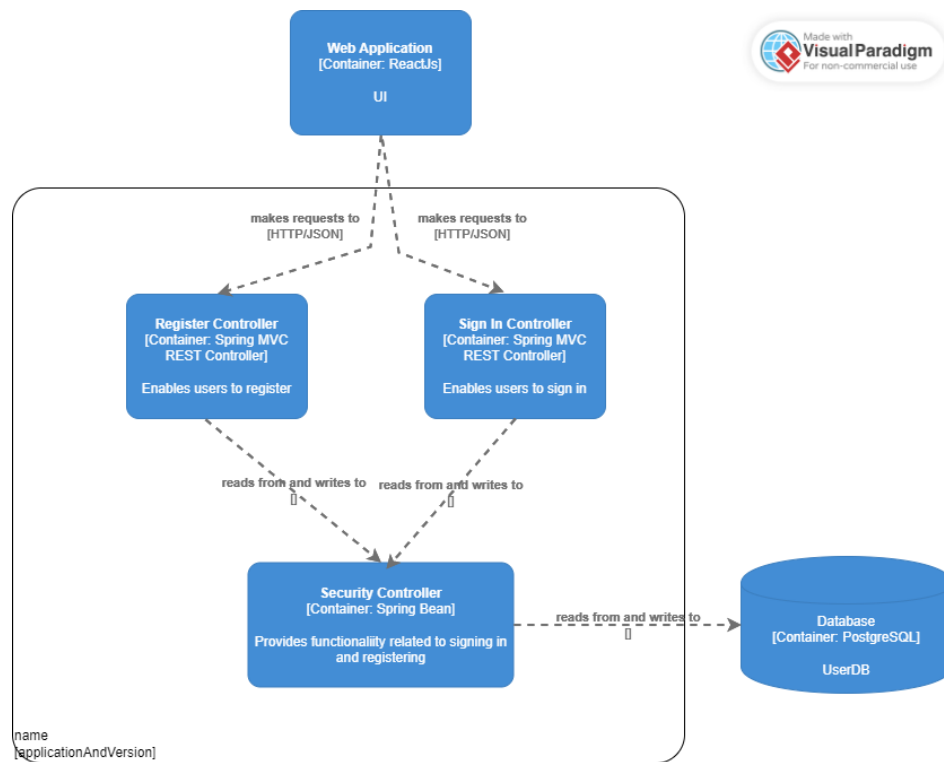
C4 model

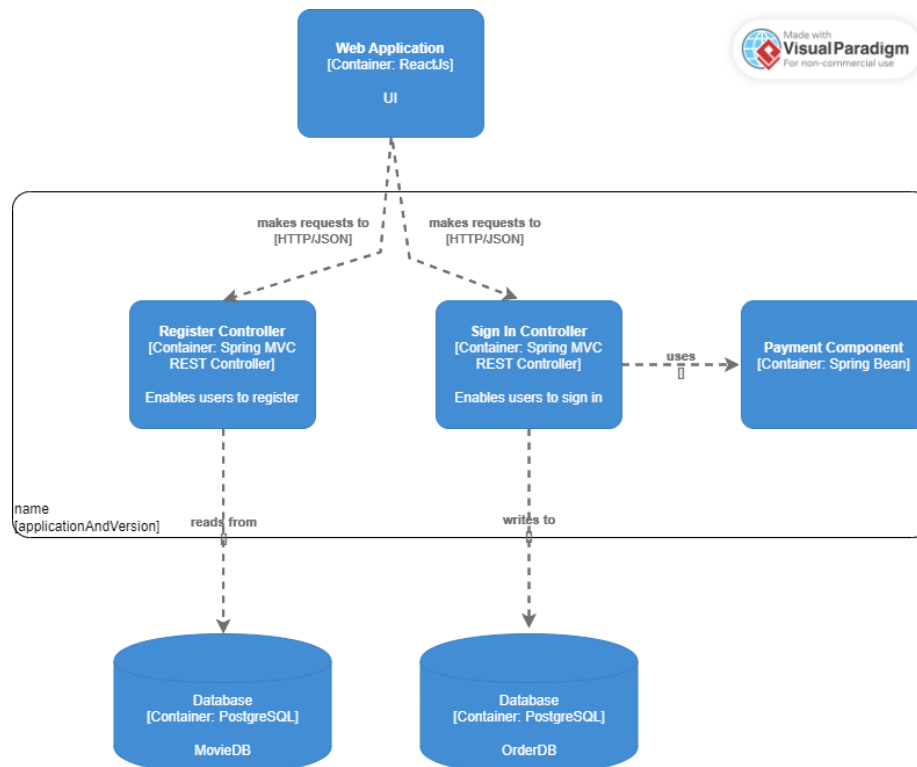- Level 1 – Context

- Level 2 – Containers

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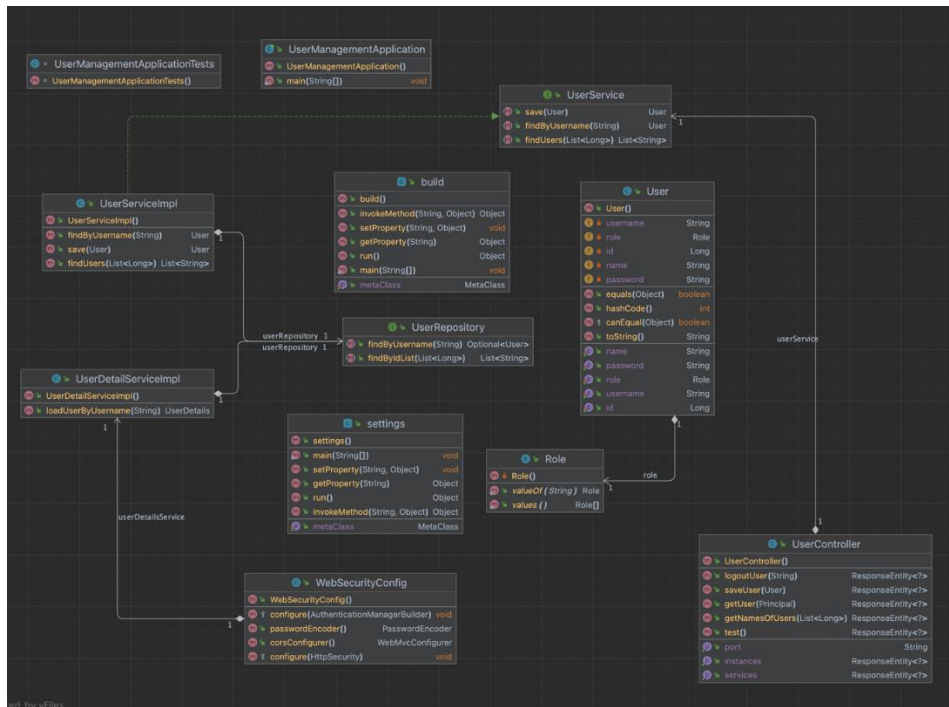
- Level 3 – Components
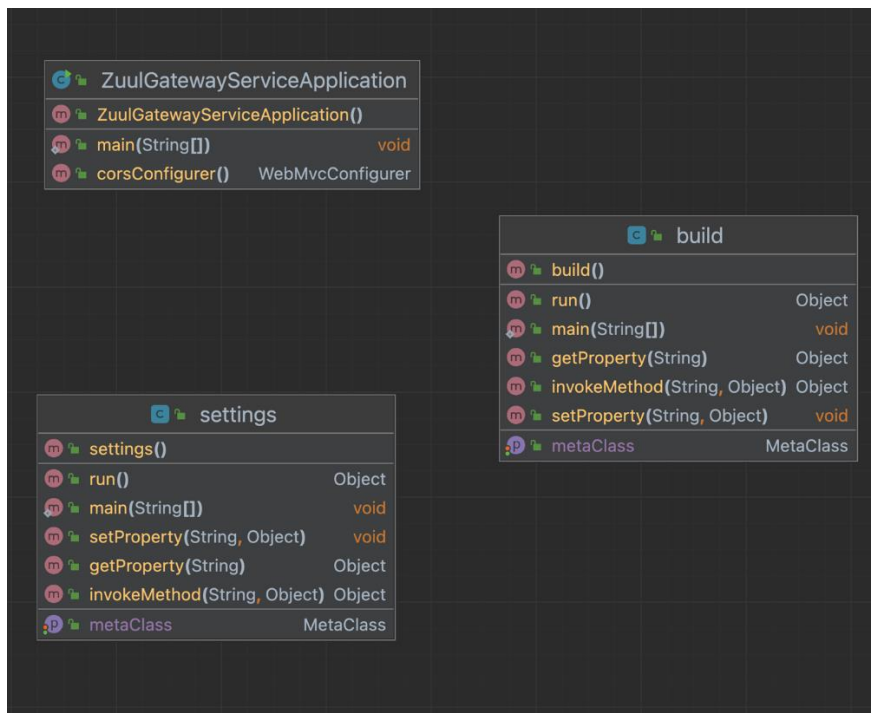
User microservice

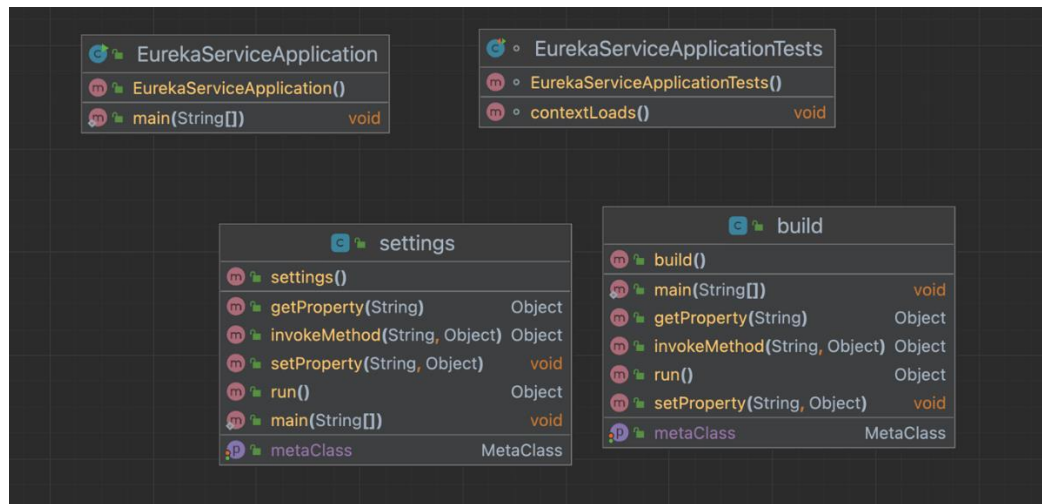Movie microservice

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- Level 4 – Code

User microservice UML diagram

Zuul UML diagram

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Eureka UML diagram

Technologies: I utilized Eureka (Spring Cloud Netflix Eureka) for microservices communication, which maintains comprehensive data on each microservice. Eureka enhances load balancing and failover mechanisms. For the API Gateway, I employed Zuul (Zuul API Gateway), an application server that manages routing within a microservices architecture in Spring Boot applications, dynamically routing requests across microservice applications. To deploy the application, Docker images were used to create Docker containers for each of the application's microservices.