

Service Oriented Architecture Project Documentation Reading Manager

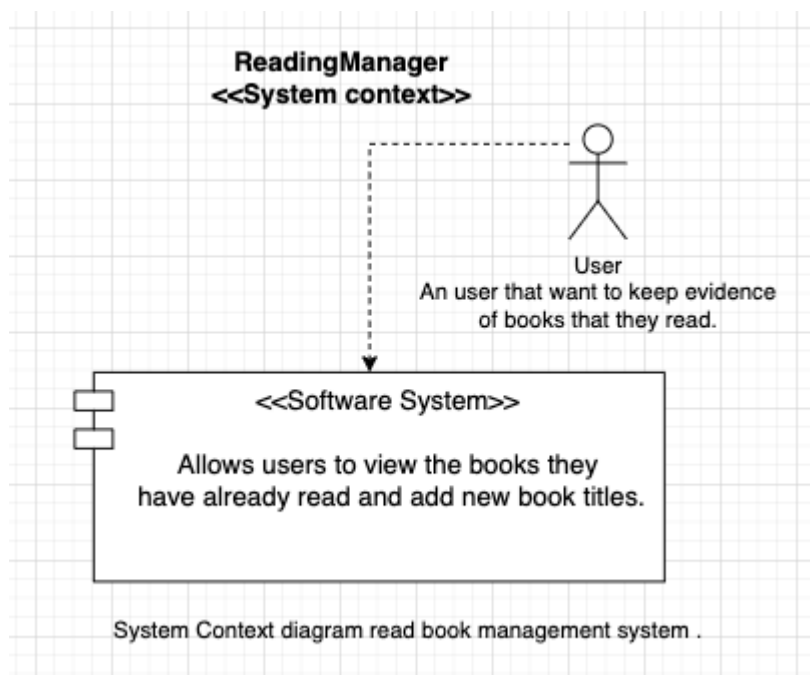
For my project I implemented a reading manager project, that is used by users to track their read books. The project is implemented in the NestJS framework and it uses the microservice pattern.

The implementation of the microservice pattern is based in splitting the app in some independent services, as following:

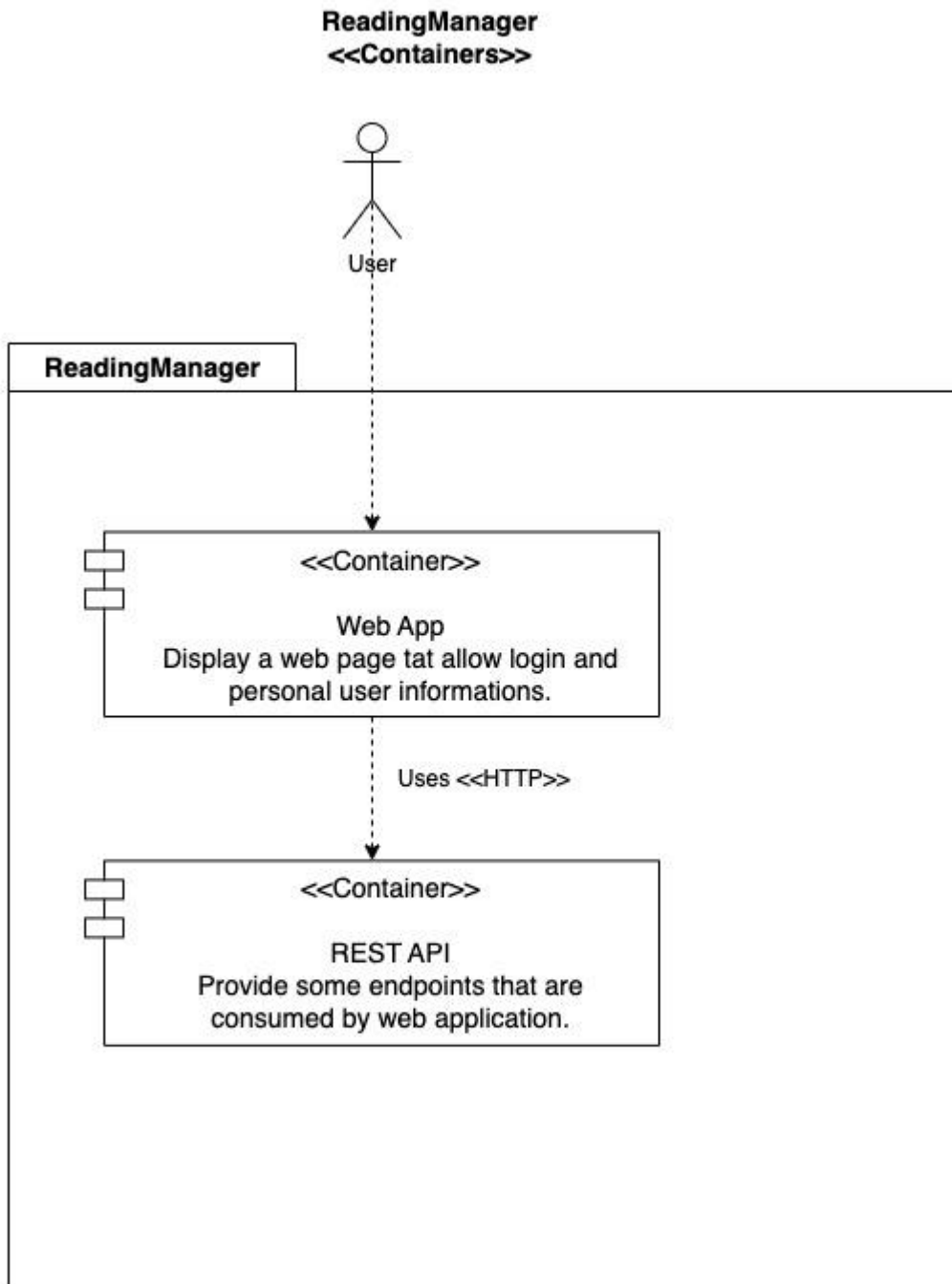
- **REST API gateway** exposes some endpoints and manages the user's authentications.
- **User Microservice** is responsible for validations user authentication.
- **Book Microservice** is responsible for book management.

C4 model

- **Level 1: System Context diagram**

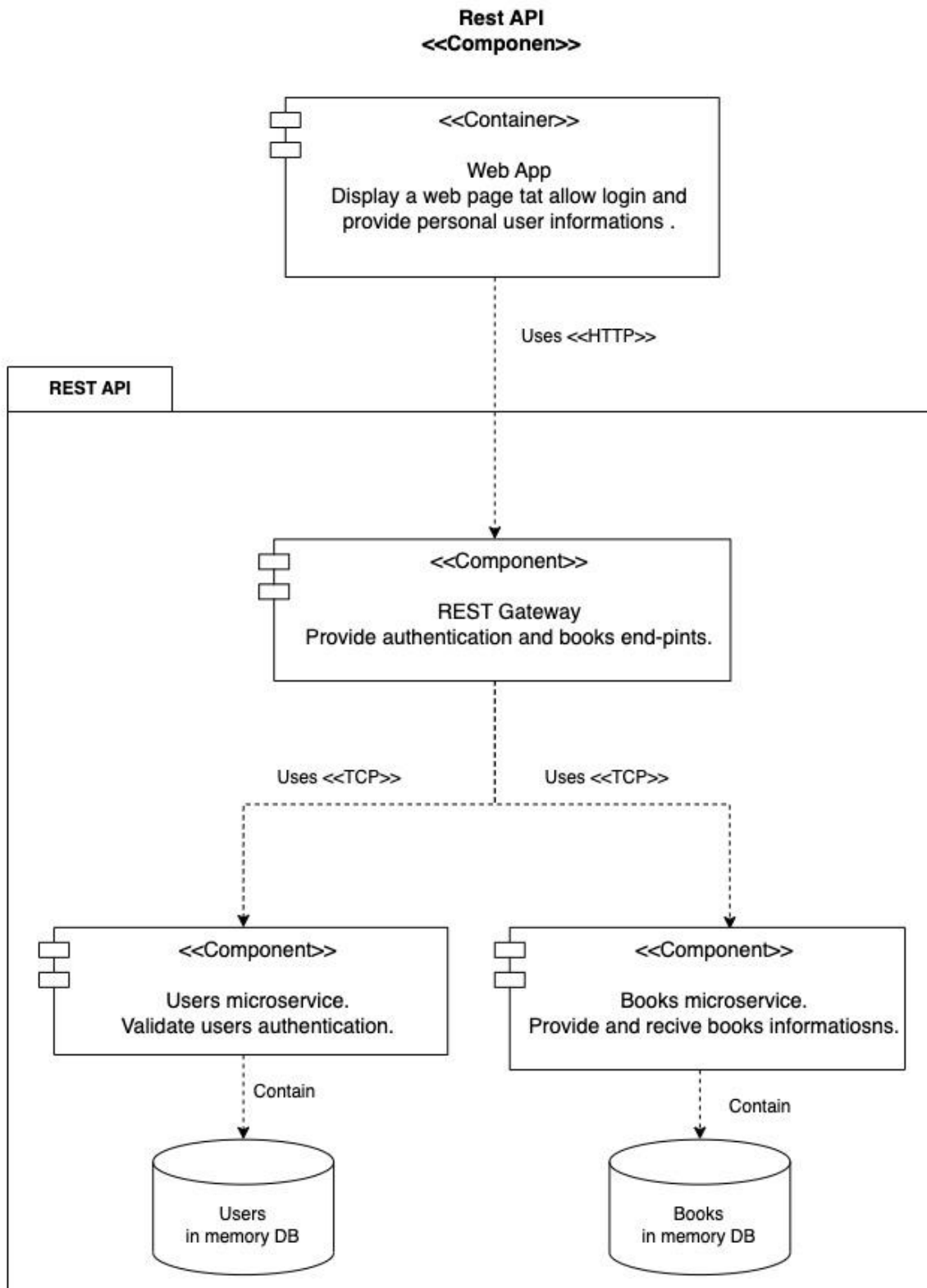


- Level 2: Container diagram



The Container diagram for read book management system .

Level 3: Component diagram



The Components diagram for REST API .