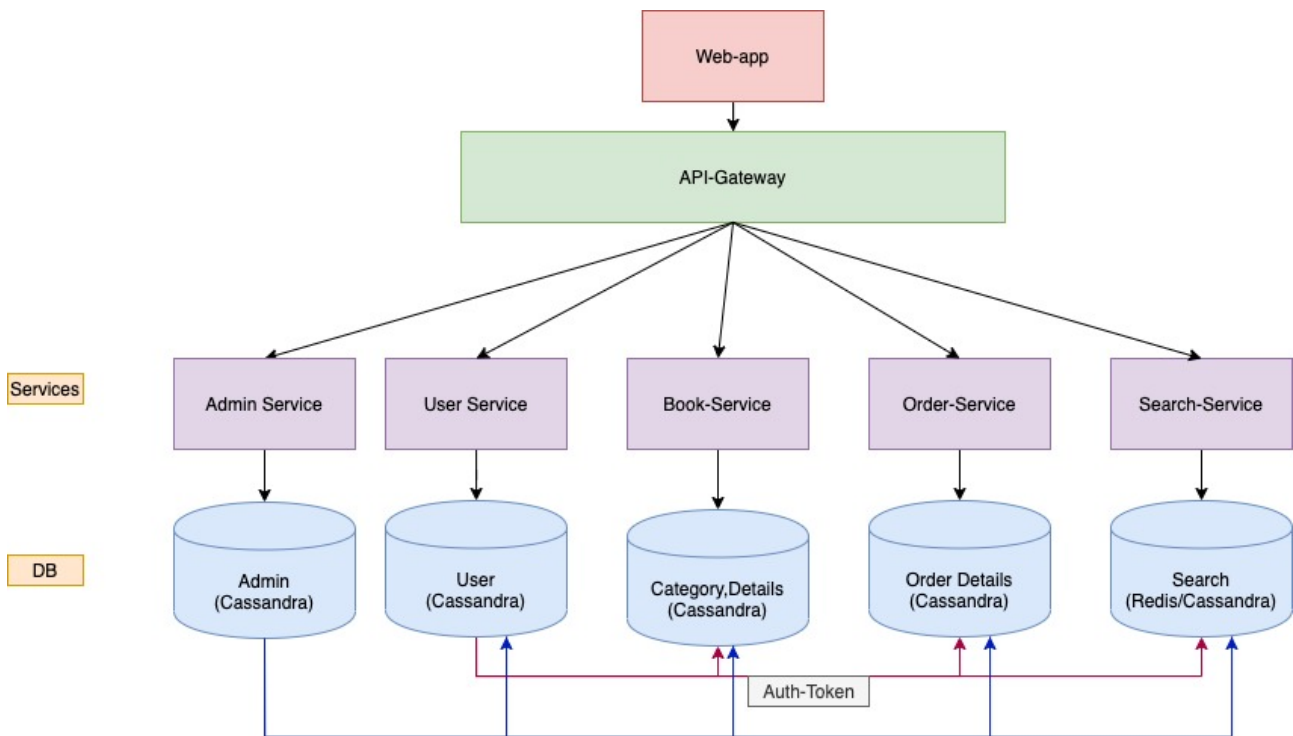


Online Book store Management System



Services

- **User-Service:** Responsible for handle authentication process of the system, auth-user retrieve , auth-user store. It connects with User, Role, Permission db tables.
- **Book-Service:** Responsible for book store for all kind users.
- **Order-Service:** Responsible for handling orders which placed by buyers for the products.
- **Search-Service:** Responsible for searching books, users, categories.

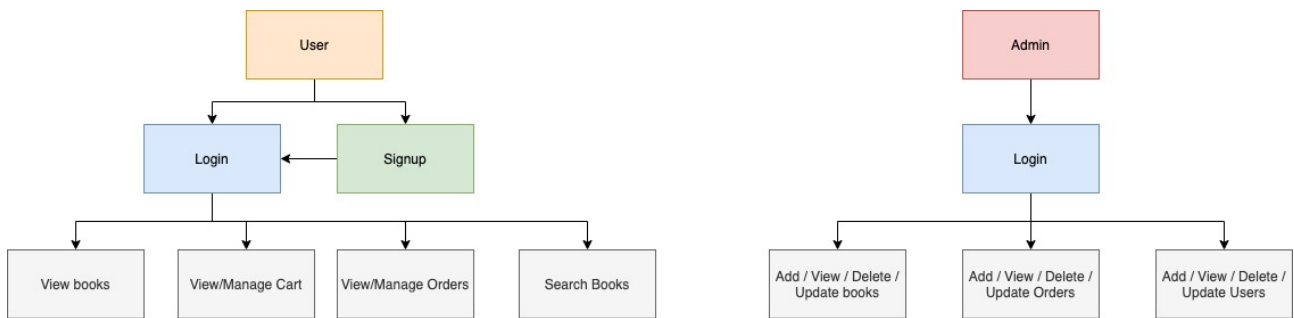
Gateway

- **API-Gateway:** Netflix Zuul API Gateway (Load balancing also done)

DB

- **Cassandra**
- **Redis** (Maybe)

Service Discovery



- **Eureka (Host on GitHub repository , endpoints):** Created on LocalHost.

Admin-Service:

User-Service:

Usage: OAuth2 (**Tried**). Used : Spring Security Authorization filter.

User: UserID (*PK*) ,Username (*Unique*) , Name, DOB, Email, Password, PhoneNo.,

Book-Service:

Category : CategoryID (*PK*) , Category (*unique*) .

Details : BookID (*PK*) , Name , Description , Price, Year, ISBN, AuthorName.

Category to Details : (*CategoryID* , *RoleID*)

Order-Service:

OrderDetails : OrderID (*PK*) , DateOfOrder , **UserID**, **BookID**

Search-Service:

Endpoints:

/Users/Login
/Users/Signup
/Users

/Books/Search
/Books/{id}
/Books

/Orders/{id}

/Orders

/Search/Users/ (name)

/Search/Order/ (id)

/Search/Books/ (name)

/Search/Books/Author/ (name)

/Search/Books/Category/ (name)

Front end

- HTML
- CSS
- JS
- React

AWS

Created an account on AWS.

Use of elastic beanstalk to host the WebApp.