Court Reserve
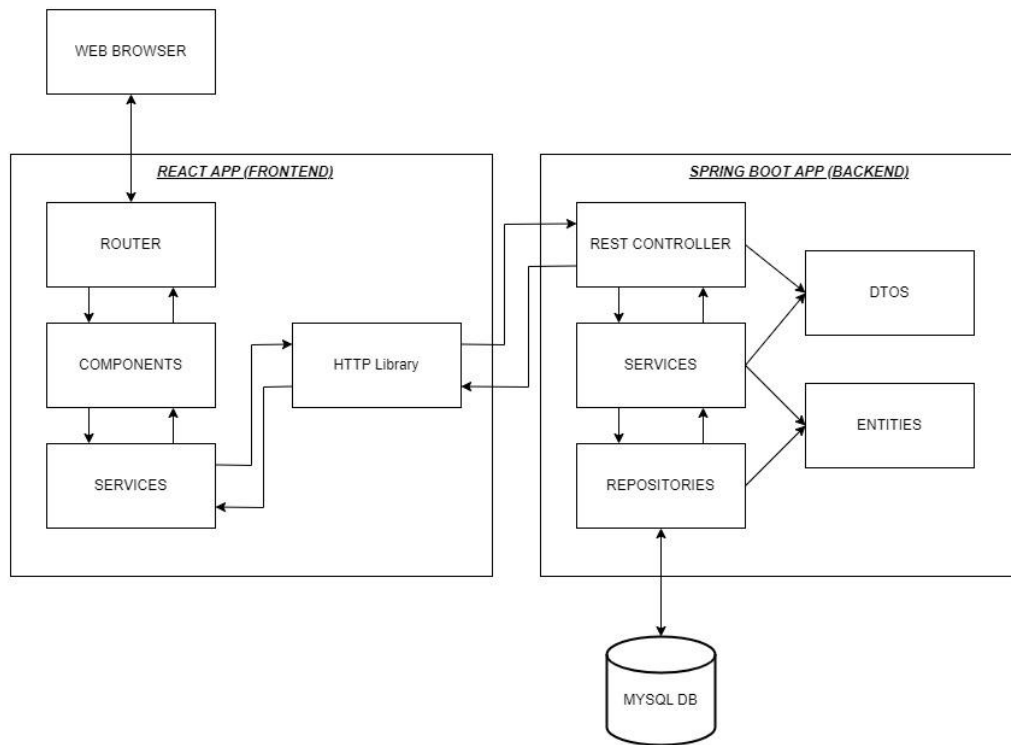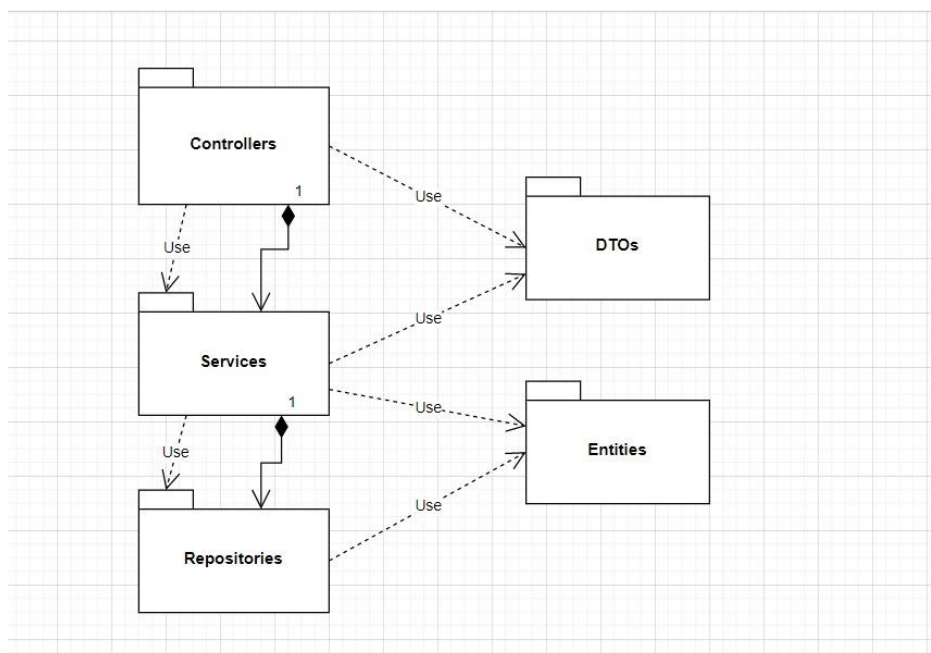
1. Conceptual Architecture Diagram
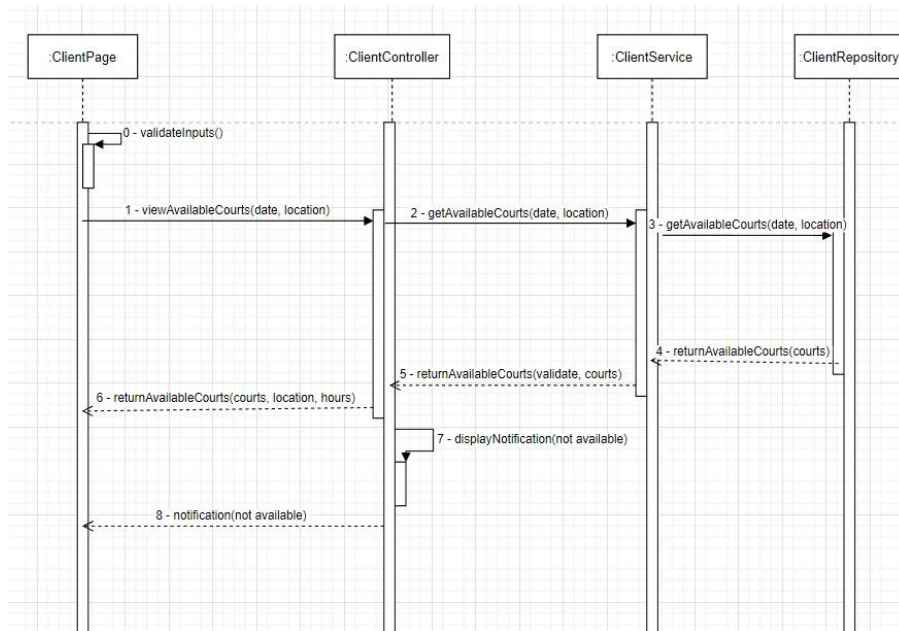

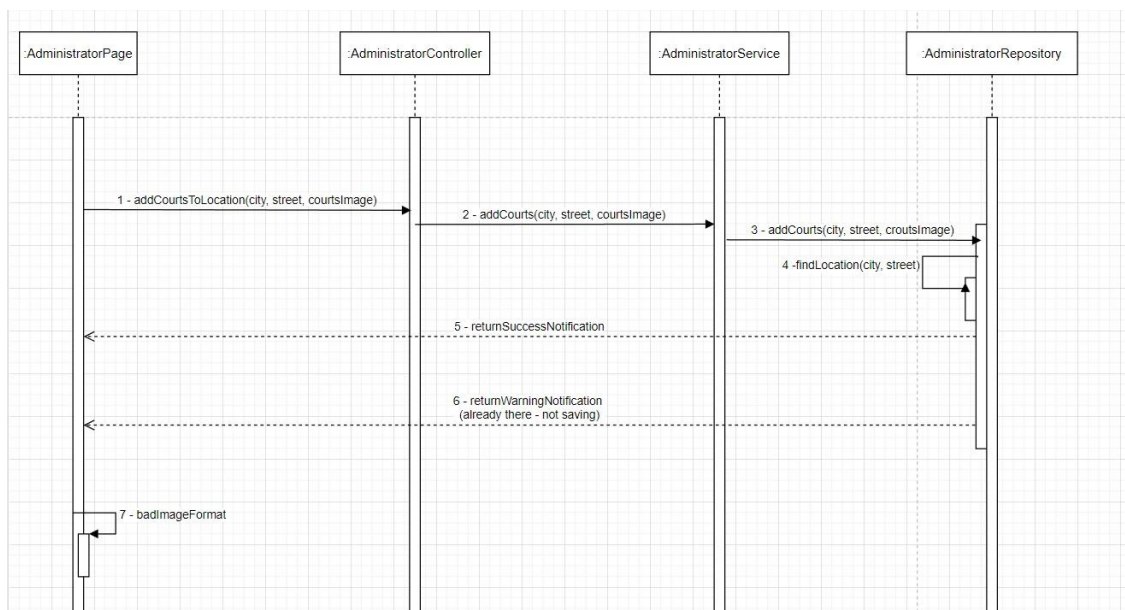## 2. Package Diagram

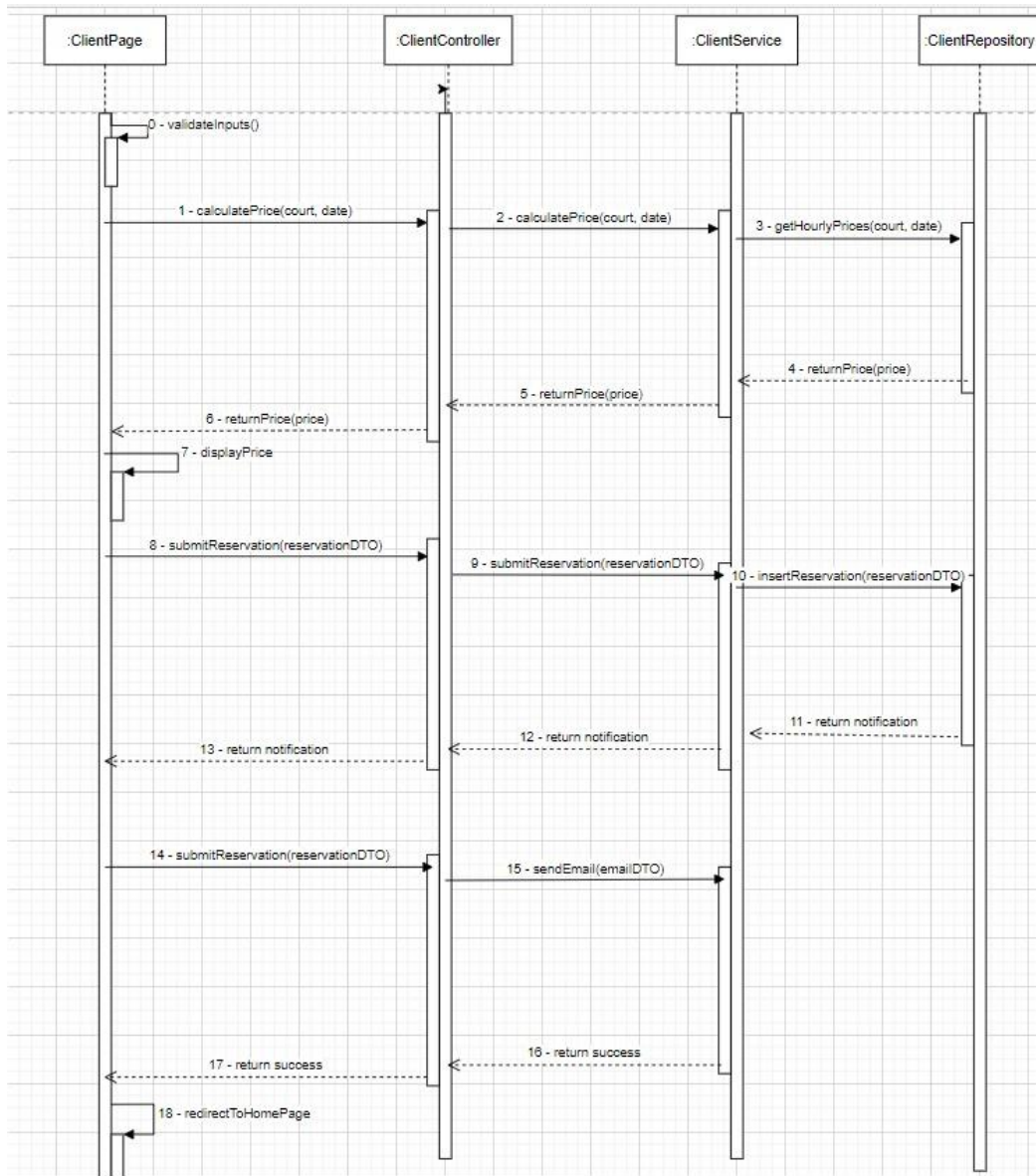# 3. Sequence Diagrams

3.1. Search for courts

3.2. Add location

3.3. Make a reservation

4. Database Diagram

Role
(PK) Id: int
Role: string

Tariff
(PK) Id: int
(FK) LocationId: int
Criteria: string
Price: double

User
(PK) Id: int
First Name: string
Last Name: string
Email: string
Password: string
(FK) RoleId: int

Subscription
(PK) Id: int
(FK) CourtId: int
(FK) UserId: int
Price: double
Month: string
StartTime: DateTime
Hours: int

Location
(PK) Id: int
Address: string
Longitude: double
Latitude: double
CourtsImage: string

PlayersRequest
(PK) Id: int
(FK) UserId: int
(FK) Player1Id: int
(FK) Player2Id: int
(FK) ReservationId: int
NumberOfPlayers: int

Reservation
(PK) Id: int
(FK) CourtId: int
(FK) UserId: int
Price: double
StartDate: DateTime
Hours: int

Court
(PK) Id: int
(FK) LocationId: int
Type: string
Name: string