HALLHUNT

Methodologies:

```
┌──────────┐            ┌──────────────┐
│   User   │───────────▶│ Landing Page │
└──────────┘            └──────────────┘
                               │
                               ▼
                       Yes   ◇─────────◇
┌──────────┐◀─────────────── │ New User │
│ Sign Up  │                 ◇─────────◇
└──────────┘                      │ No
     │                            ▼
     │                     ┌──────────────┐
     └────────────────────▶│   Sign In    │
                           └──────────────┘
                                  │
                                  ▼
                           ┌──────────────┐
                           │ User dahboard│
                           └──────────────┘
                                  │
                                  ▼
                           ┌──────────────┐
                           │ Explore Halls│
                           └──────────────┘
                                  │
                                  ▼
                           ┌──────────────┐
                           │Request a quote│
                           └──────────────┘
                                  │
                                  ▼
                           ┌──────────────┐
                           │  Book hall   │
                           └──────────────┘
```
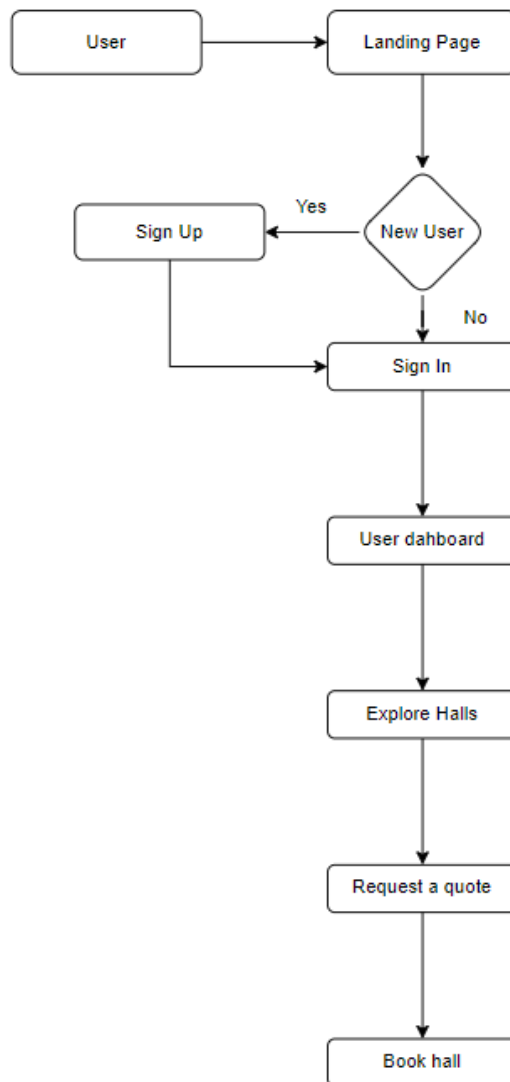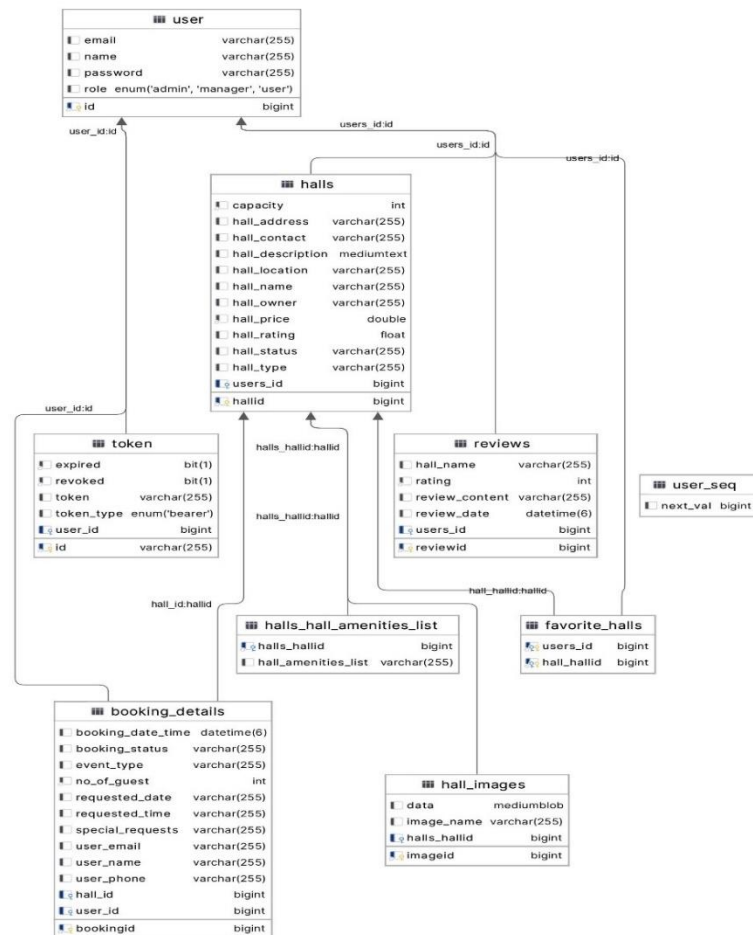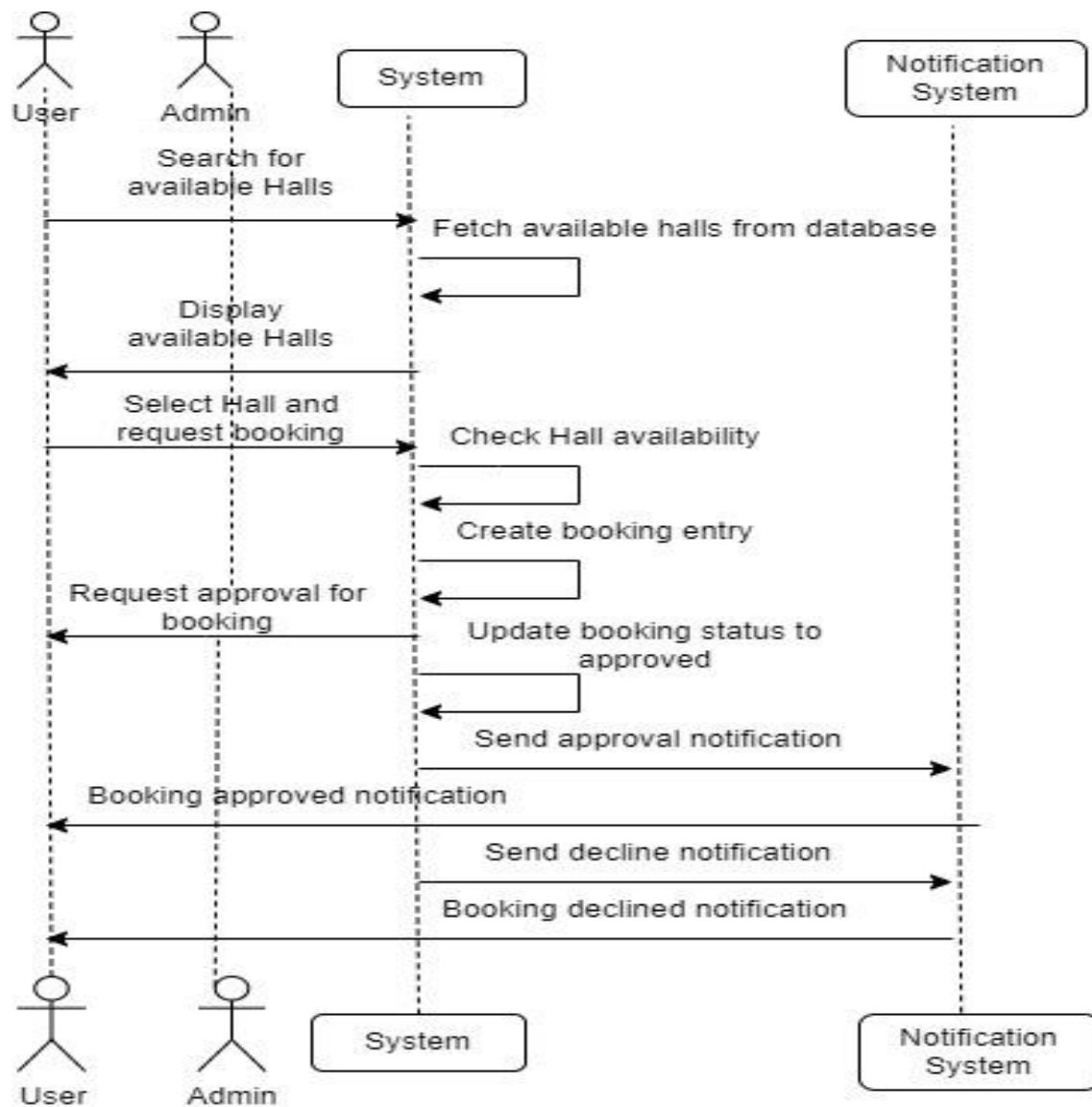
UML Diagrams:

Use Case Diagram:
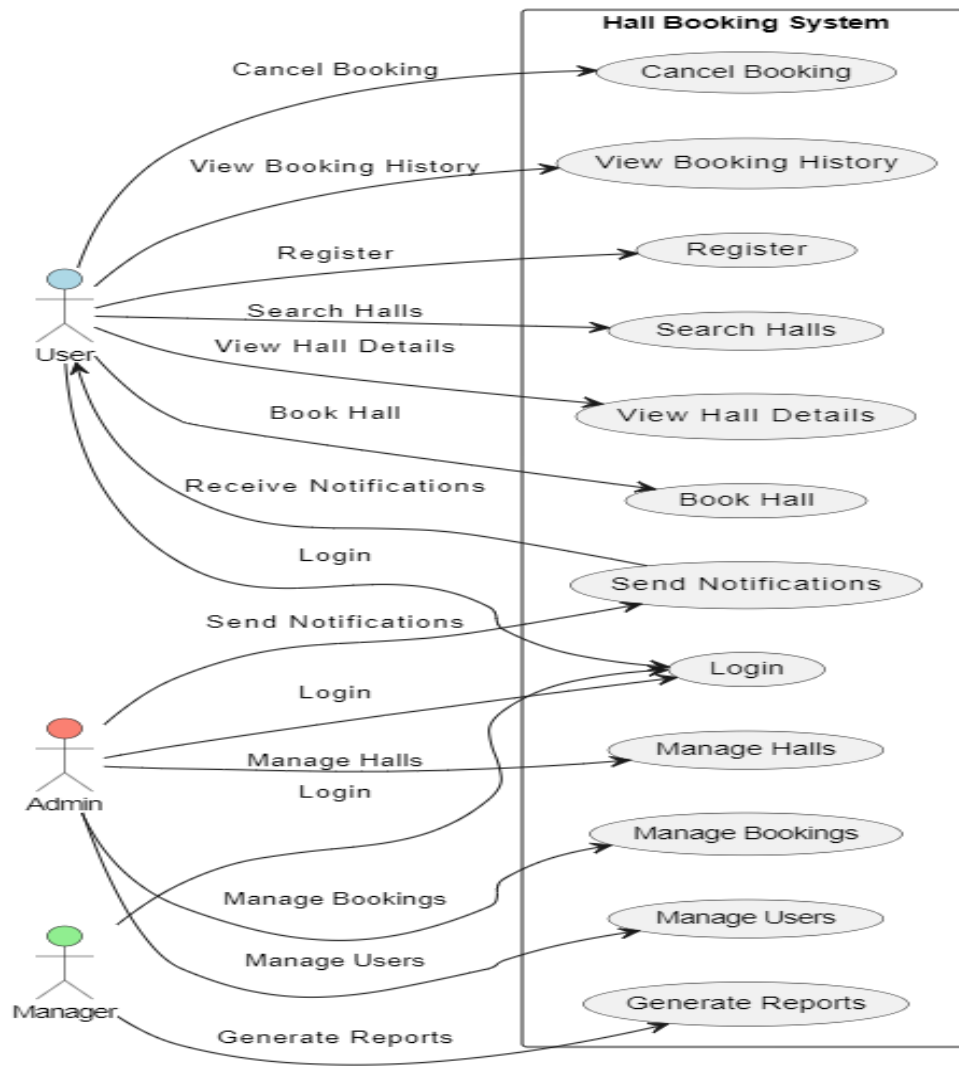
Class Diagram:

Sequence diagram:

Entity Relationship diagram:

Admin
- admin_id : Integer
- name : String
- email : String
- password : String

manages

Hall
- hall_id : Integer
- name : String
- location : String
- capacity : Integer
- price_per_hour : Decimal

User
- user_id : Integer
- name : String
- email : String
- password : String

books

makes

registers

Booking
- booking_id : Integer
- hall_id : Integer
- user_id : Integer
- start_time : DateTime
- end_time : DateTime
- total_price : Decimal

RegisteredUser
- registered_user_id : Integer
- user_id : Integer
- membership_date : Date

has

Payment
- payment_id : Integer
- booking_id : Integer
- payment_date : DateTime
- amount : Decimal
- payment_method : String