

Movie Ticket Booking System

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Introduction

- ❑ The Movie Ticket Booking Application is a software solution designed to make it easier for moviegoers to book tickets for their favorite movies.
- ❑ The objective of this system is to streamline the movie ticket booking process, reduce wait times, and improve the overall moviegoing experience.



Technologies

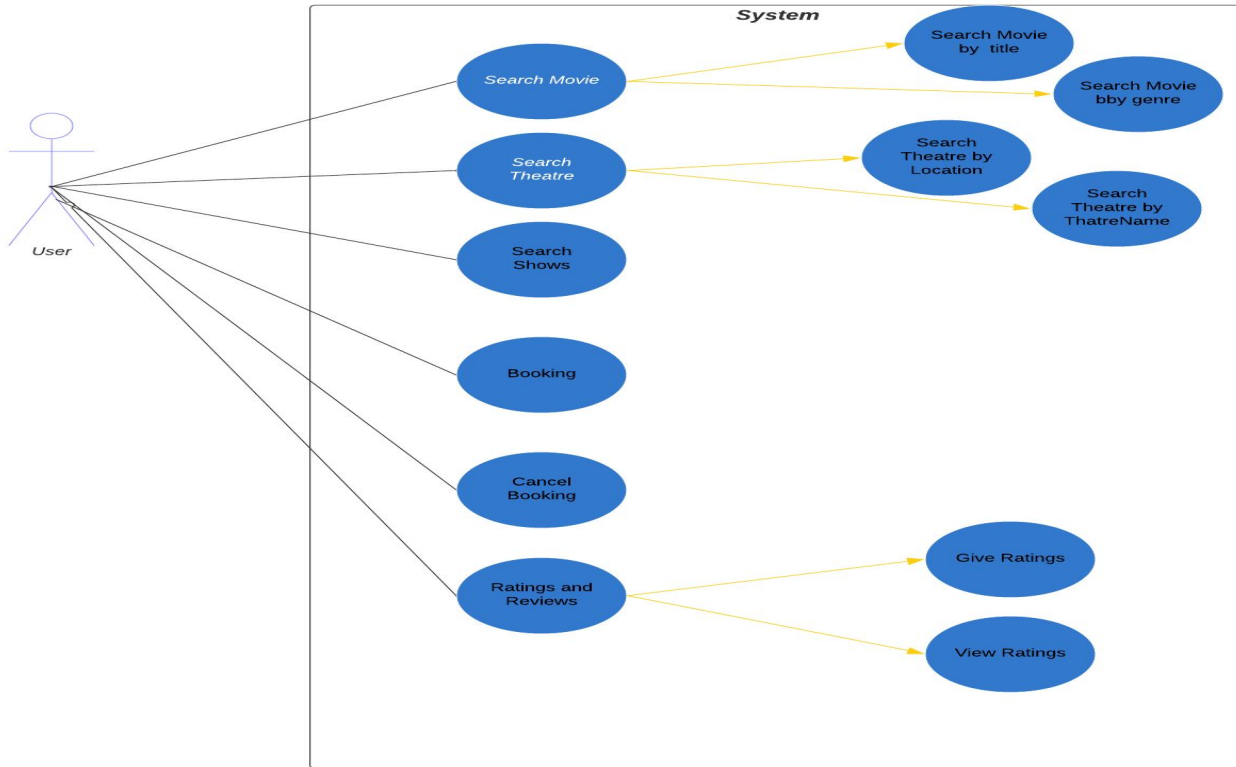
- ❑ JAVA
- ❑ Spring Boot
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UML Diagrams

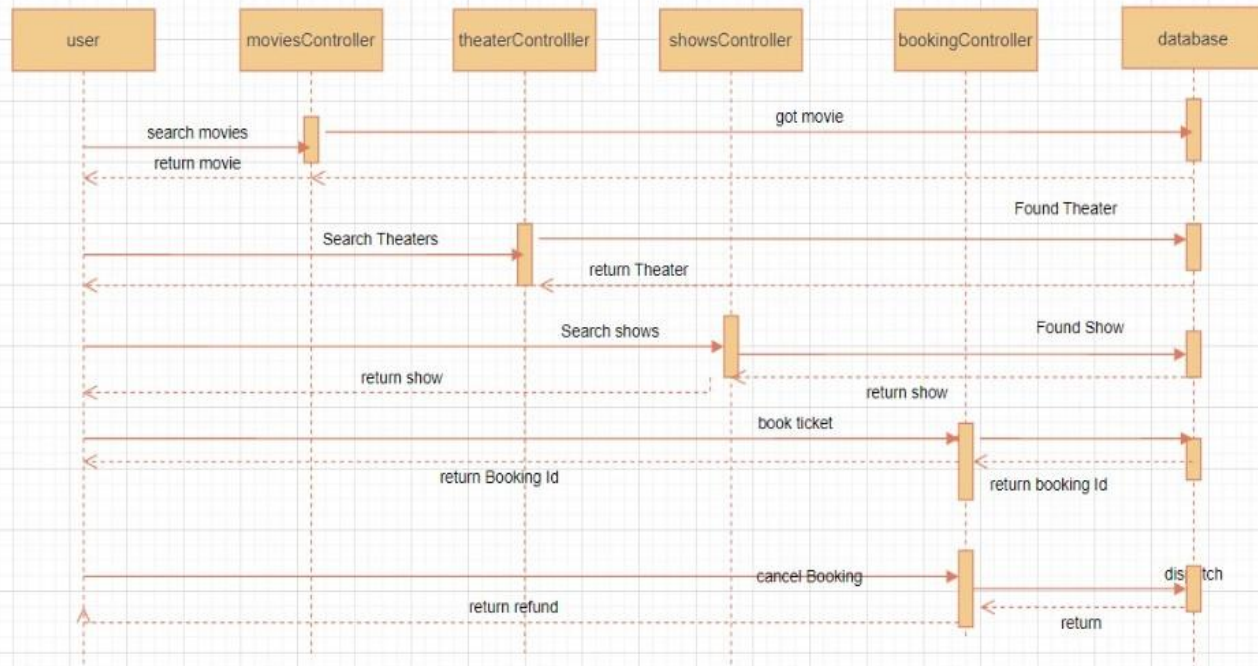
Entity Class Diagram




Use Case Diagram



Sequence Diagram



Database Structure



Tables_in_moviedb
bookings
hibernate_sequence
movies
rating
shows
theatres

Movies

Field	Type	Null	Key	Default	Extra
movie_id	int	NO	PRI	NULL	
movie_title	varchar(200)	YES		NULL	
genre	varchar(30)	YES		NULL	
director	varchar(50)	YES		NULL	
duration	int	YES		NULL	
rating	float	YES		NULL	

Bookings

Field	Type	Null	Key	Default	Extra
booking_id	int	NO	PRI	NULL	
customer_id	varchar(150)	YES		NULL	
show_id	int	YES	MUL	NULL	
booking_date	date	YES		NULL	
total_amount	float	YES		NULL	
payment_method	varchar(50)	YES		NULL	
seat_no	int	YES		NULL	



Field	Type	Null	Key	Default	Extra
theatre_id	int	NO	PRI	NULL	
theatre_name	varchar(200)	YES		NULL	
location	varchar(50)	YES		NULL	
seating_capacity	int	YES		NULL	
ticket_price	double	YES		NULL	

Theatres

Field	Type	Null	Key	Default	Extra
show_id	int	NO	PRI	NULL	
theatre_id	int	YES	MUL	NULL	
movie_id	int	YES	MUL	NULL	
show_date	date	YES		NULL	
show_time	time	YES		NULL	
available_seats	int	YES		NULL	

Shows

Ratings

Field	Type	Null	Key	Default	Extra
rating_id	int	NO	PRI	NULL	auto_increment
customer_id	varchar(255)	YES		NULL	
ratings	double	YES		NULL	
review	varchar(255)	YES		NULL	
movie_id	int	YES	MUL	NULL	

Outputs

OpenAPI definition v0 OAS3

/v3/api-docs

Servers

http://localhost:8787 - Generated server url

rating-controller

POST /movies/ratemovie

GET /movies/getratingsbymovie/{movieName}

booking-controller

POST /movies/bookticket

GET /movies/getmybookinghistory

DELETE /movies/cancelbooking/{bookingId}

movie-controller

GET /movies/searchmovies/{keyword}

GET /movies/getallMovies

theatre-controller

GET /movies/searchTheatres/{keyword}

GET /movies/getall

shows-controller

GET /movies/getshows/{keyword}

rating-controller



POST /movies/ratemovie

Parameters

Cancel

Reset

No parameters

Request body required

application/json

```
{
  "movieId": 5,
  "rating": 8,
  "review": "Average"
}
```

Execute

Clear

200

Response body

```
{
  "ratingId": 7,
  "customerId": "pratiksha",
  "movie": {
    "movieId": 5,
    "movieTitle": "The Shawshank Redemption ",
    "genre": "Drama",
    "director": "Frank Darabont",
    "duration": 142,
    "rating": 9.3
  },
  "rating": 8,
  "review": "Average"
}
```



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DELETE`/movies/cancelbooking/{bookingId}`

Parameters

[Cancel](#)

Name

Description

bookingId * required

integer(\$int32)

(path)

15

Execute

Clear

Responses

Curl

```
curl -X 'DELETE' \  
  'http://localhost:8787/movies/cancelbooking/15' \  
  -H 'accept: */*'
```

Request URL

`http://localhost:8787/movies/cancelbooking/15`

Server response

Code

Details

200

Response body

`Booking Cancelled (refund in 2 days)`

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GET /movies/getallMovies

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

```
curl -X 'GET' \  
  'http://localhost:8787/movies/getallMovies' \  
  -H 'accept: */*'
```



Request URL

http://localhost:8787/movies/getallMovies

Server response

Code

Details

200

Response body

```
[  
  {  
    "movieId": 1,  
    "movieTitle": " Black Friday",  
    "genre": "Thriller",  
    "director": "Anurag Kashyap",  
    "duration": 142,  
    "rating": 8.3  
  },  
  {  
    "movieId": 2,  
    "movieTitle": "The Kashmir Files",  
    "genre": "Drama",  
    "director": "Vishnu Vardhan",  
    "duration": 135,  
    "rating": 8.1  
  }  
]
```

theatre-controller

GET

/movies/searchTheatres/{keyword}

Parameters

Cancel

Name

Description

keyword * required

string

(path)

Mumbai

Execute

Clear

200

Response body

```
[
  {
    "theatreId": 1,
    "theatreName": "PVR Cinema",
    "location": "Mumbai",
    "seatingCapacity": 900,
    "ticketPrice": 250
  },
  {
    "theatreId": 9,
    "theatreName": "Carnival Cinemas",
    "location": "Navi Mumbai",
    "seatingCapacity": 1180,
    "ticketPrice": 520
  }
]
```



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THANK YOU.

