API Definition

User APIs

1. User Registration

   - Method : POST

   - endpoint : /api/users/register

   - Description : New user

   Request Parameters:

   ```
   {
     "name": "",
     "email": "",
     "password": "",
     "phone": ""
   }
   ```

2. User Login

   - Method: POST

   - Endpoint: /api/users/login

   - Description: Authenticate user.

   Request Parameters:

   ```
   {
     "email": "",
     "password": ""
   }
   ```

3. Get User Profile
   - Method**:** GET
   - Endpoint**:** /api/users/{userId}
   - Description**:** Fetch user profile details.

   Response:

```
{
  "userId": ,
  "name": "",
  "email": "",
  "phone": ""
}
```

Movie API:

1. Get all Movies
   - Method**:** GET
   - Endpoint**:** /api/movies
   - Description**:** get list of all movies.

   Response:

```
[
  {
    "movieId": ,
    "title": "",
    "genre": "",
    "language": "",
    "duration": "",
    "releaseDate": "",
```

```
      "country": ""
  }]
```

2. Get Movie Details

   - Method: GET

   - Endpoint: /api/movies/{movieId}

   - Description: detail of specific movie

Response:

```
{
  "movieId": ,
    "title": "",
    "genre": "",
    "language": "",
    "duration": "",
    "releaseDate": "",
    "country": ""
}
```

Show API

1. Get show for movie

   - Method: GET

   - Endpoint: /api/shows?movieId={movieId}&cityId={cityId}&date={date}

   - Description: get available show for particular movie in given city with date

Response:

```
[
  {
    "showId": ,
```

```
      "cinema": "",
      "hall": "",
      "date": "",
      "startTime": "",
      "endTime": "",
      "language": "",
      "price":
    },
    {
      "showId": ,
      "cinema": "",
      "hall": "",
      "date": "",
      "startTime": "",
      "endTime": "",
      "language": "",
      "price":
    }
  ]
```

Booking API

1. Book ticket

   - Method: POST

   - Endpoint: /api/bookings

   - Description: create booking for user

   Request:

```
{
  "userId": ,
  "showId": ,
  "seats": [],
```

```
    "totalAmount":
  }
```

2. Get booking details

- Method**:** GET

- Endpoint**:** /api/bookings/{bookingId}

- Description**:** get details of booking

Response:

```
{
  "bookingId": ,
  "userId": ,
  "showId": ,
  "seats": [],
  "totalAmount": ,
  "status": "",
  "timestamp": ""
}
```

Payment Booking

1. make Payment

- Method**:** POST

- Endpoint**:** /api/payments

- Description**:** make pyement for booking

Request:

```
{
  "bookingId": ,
  "amount": ,
  "paymentMethod": "",
  "discountCoupon": ""
}
```

Other API

1. Search Movie

   - **Method:** GET

   - **Endpoint:** /api/movies/search?query={searchText}

   - **Description:** search movie

   Response:

```
[
  {
    "movieId": ,
    "title": "",
    "genre": "",
    "language": ""
  }
]
```

2. Get seaat availibility details

   - **Method:** GET

   - **Endpoint:** /api/shows/{showId}/seats

   - **Description:** Get available seats

   Response:

```
{
  "showId": ,
  "availableSeats": [],
  "bookedSeats": []
}
```