



Cinema API 1.0.0 OAS 2.0

[Base URL: localhost:3000/api/v1]

API documentation for cinema-related endpoints including user management

Schemes

HTTP

default



POST /users/signup User Signup



Create a new user account by providing name, email, and password.

Parameters

Try it out

Name	Description
body * required object (body)	User signup request body
	Example Value Model

```
{
  "name": "John Doe",
  "email": "john.doe@example.com",
  "password": "password123"
}
```

Parameter content type

application/json

Responses

Response content type

application/json

Code	Description
201	User successfully created
	<div>Example ValueModel</div> <div><pre>{ "userId": "601c8a72f0b1a624e2fd1e9f", "email": "john.doe@example.com", "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."}</pre></div>
422	User already exists
500	Signup failed due to server error

POST

/users/login

User Login

^

Login with email and password to receive a JWT token.

Parameters

Cancel

Name	Description
body ★ required	User login request body
object (body)	<div>Edit ValueModel</div> <div><pre>{ "email": "john.doe@example.com", "password": "password123"}</pre></div>

Cancel

Parameter content type

application/json

Execute

ResponsesResponse content typeapplication/json

Code	Description
200	<div>User successfully logged in</div> <div>Example ValueModel</div> <div><pre>{ "userId": "601c8a72f0b1a624e2fd1e9f", "email": "john.doe@example.com", "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."</pre></div>
401	Invalid email or password
500	Login failed due to server error

GET

/movies/{mid} Get Movie by ID



Retrieve a movie's details using its unique movie ID.

Parameters

[Try it out](#)

Name	Description
mid * required	The ID of the movie to retrieve
string (path)	<input type="text" value="mid"/>

Responses

Response content type

[application/json](#)

Code	Description
200	Movie details successfully retrieved
404	Movie not found
500	Server error occurred while retrieving the movie

Example Value Model

```
{
  "id": "607c191e810c19729de860ea",
  "title": "Inception",
  "description": "A mind-bending thriller about dream invasion.",
  "releaseDate": "2010-07-16",
  "director": "Christopher Nolan",
  "genre": "Sci-Fi",
  "rating": 8.8
}
```

GET

/sessions/nowshowing Get sessions for the next 14 days



Retrieve all sessions scheduled to happen within the next 14 days.

Parameters

[Try it out](#)

No parameters

Responses		Response content type
		application/json
Code	Description	
200	Sessions successfully retrieved	
	Example Value	Model
	<pre>[{ "id": "607c191e810c19729de860ea", "movieId": "607c191e810c19729de860eb", "cinemaId": "607c191e810c19729de860ec", "date": "2024-10-15T20:00:00Z", "availableSeats": 50 }]</pre>	
500	Failed to retrieve sessions	

GET	/sessions/{sid}	Get session by ID	^
Retrieve session details using the session ID.			
Parameters			Try it out
Name	Description		
sid * required string (path)	The ID of the session to retrieve		
	<div>sid</div>		
Responses		Response content type	
		application/json	
Code	Description		
200	Session details successfully retrieved		
	Example Value	Model	
	<pre>{ "id": "607c191e810c19729de860ea", "movieId": "607c191e810c19729de860eb",</pre>		

Code	Description
	<pre>"cinemaId": "607c191e810c19729de860ec", "date": "2024-10-15T20:00:00Z", "availableSeats": 50 }</pre>
404	Session not found
500	Failed to retrieve session

GET

/cinemas

Get all cinemas

^

Retrieve a list of all cinemas.

Parameters

Try it out

No parameters

Responses

Response content type

application/json

Code	Description
200	A list of cinemas
	<div><div>Example Value</div><div>Model</div></div> <pre>[{ "id": "607c191e810c19729de860ea", "name": "Cinema City", "location": "123 Main St, Sydney, Australia", "numberOfScreens": 10 }]</pre>
500	Failed to retrieve cinemas

GET

/cinemas/{cid}

Get a cinema by ID

^

Retrieve details of a specific cinema by its ID.

Parameters

Try it out

Name

Description

cid ★ required

string

(path)

The ID of the cinema to retrieve

cid

Responses

Response content type

application/json

Code

Description

200

Cinema details successfully retrieved

Example Value

Model

{

"id": "607c191e810c19729de860ea",

"name": "Cinema City",

"location": "123 Main St, Sydney, Australia",

"numberOfScreens": 10

}

404

Cinema not found

500

Failed to retrieve cinema

POST

/purchases

Purchase a ticket

⌵

Create a new ticket purchase for a session.

Parameters

Try it out

Name

Description

body ★ required

object

(body)

Purchase request body

Example Value

Model

{

"sessionId": "605c8a72f0b1a624e2fd1e9f",

"userId": "605c8a72f0b1a624e2fd1e9f",

"tickets": [

{

"type": "ADULT",

"quantity": 2

}

}

Name	Description
	<div>]</div> <div>}</div> <div>Parameter content type</div> <div>application/json</div>
Responses	Response content type application/json
Code	Description
201	<div>Ticket successfully purchased</div> <div>Example ValueModel</div> <div>{ "message": "Ticket purchased successfully", "purchase": { "id": "605c8a72f0b1a624e2fd1e9f", "sessionId": "605c8a72f0b1a624e2fd1e9f", "userId": "605c8a72f0b1a624e2fd1e9f", "tickets": [{ "type": "ADULT", "quantity": 2 }], "status": "PENDING" } }</div>
500	Purchase failed due to server error

GET	/purchases/user/{userId}	Get user purchase history	^
Retrieve the purchase history of a user by their user ID.			
Parameters			Try it out
Name	Description		
userId * required string (path)	The ID of the user	<div>userId</div>	

Responses		Response content type
		application/json
Code	Description	
200	User purchase history retrieved successfully	
	Example Value	Model
	<pre>[{ "id": "605c8a72f0b1a624e2fd1e9f", "sessionId": "605c8a72f0b1a624e2fd1e9f", "userId": "605c8a72f0b1a624e2fd1e9f", "tickets": [{ "type": "ADULT", "quantity": 2 }], "status": "PENDING" }]</pre>	
404	User not found	
500	Failed to retrieve user purchase history	

GET	/purchases/{purchaseId}	Fetch purchase by ID	^
Retrieve details of a specific purchase by its ID.			
Parameters			Try it out
Name	Description		
purchaseId * required string (path)	The ID of the purchase		
	<div>purchaseId</div>		
Responses		Response content type	application/json

Code	Description
200	<div>Purchase details retrieved successfully</div> <div><div>Example Value</div><div>Model</div><pre>{ "purchaseId": "605c8a72f0b1a624e2fd1e9f", "sessionDate": "2024-10-15", "sessionTime": "2:00 PM", "sessionEndTime": "4:30 PM", "movieName": "Inception", "movieImg": "https://example.com/poster.jpg", "movieDuration": "2 hrs 30 mins", "cinemaName": "Cinema City", "userName": "John Doe", "userEmail": "john.doe@example.com", "tickets": [{ "type": "ADULT", "quantity": 2 }], "status": "PENDING", "createdAt": "2024-10-12T10:00:00Z" }</pre></div>
404	Purchase not found
500	Failed to retrieve purchase details

Models



SignupRequest

name*

string

example: John Doe

email*

string

example: john.doe@example.com

password*

string

example: password123

}

```
SignupResponse {
  userId
    string
    example: 601c8a72f0b1a624e2fd1e9f
  email
    string
    example: john.doe@example.com
  token
    string
    example: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...
}
```

```
LoginRequest {
  email*
    string
    example: john.doe@example.com
  password*
    string
    example: password123
}
```

```
LoginResponse {
  userId
    string
    example: 601c8a72f0b1a624e2fd1e9f
  email
    string
    example: john.doe@example.com
  token
    string
    example: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...
}
```

```
MovieGetByIdResponse {
  id
    string
    example: 607c191e810c19729de860ea
  title
    string
    example: Inception
  description
    string
    example: A mind-bending thriller about dream invasion.
  releaseDate
    string
    example: 2010-07-16
  director
    string
    example: Christopher Nolan
  genre
    string
    example: Sci-Fi
  rating
    number($float)
    example: 8.8
}
```

```
Session  {
  id
      string
      example: 607c191e810c19729de860ea
  movieId
      string
      example: 607c191e810c19729de860eb
  cinemaId
      string
      example: 607c191e810c19729de860ec
  date
      string($date-time)
      example: 2024-10-15T20:00:00Z
  availableSeats
      number
      example: 50
}
```

```
Cinema  {
  id
      string
      example: 607c191e810c19729de860ea
  name
      string
      example: Cinema City
  location
      string
      example: 123 Main St, Sydney, Australia
  numberOfScreens
      integer
      example: 10
}
```

```
PurchaseRequest  {
  sessionId*
      string
      example: 605c8a72f0b1a624e2fd1e9f
  userId*
      string
      example: 605c8a72f0b1a624e2fd1e9f
  tickets*
      [ {
        type
            string
            example: ADULT
        quantity
            integer
            example: 2
      }
    ]
}
```

```
PurchaseResponse {
  message      string
               example: Ticket purchased successfully
  purchase     Purchase {
    id          string
               example: 605c8a72f0b1a624e2fd1e9f
    sessionId   string
               example: 605c8a72f0b1a624e2fd1e9f
    userId      string
               example: 605c8a72f0b1a624e2fd1e9f
    tickets     [ {
                  type      string
                           example: ADULT
                  quantity   integer
                           example: 2
                }
              ]
    status      string
               example: PENDING
  }
}
```

```
Purchase {
  id          string
               example: 605c8a72f0b1a624e2fd1e9f
  sessionId   string
               example: 605c8a72f0b1a624e2fd1e9f
  userId      string
               example: 605c8a72f0b1a624e2fd1e9f
  tickets     [ {
                  type      string
                           example: ADULT
                  quantity   integer
                           example: 2
                }
              ]
  status      string
               example: PENDING
}
```

```
PurchaseDetail {
  purchaseId      string
                  example: 605c8a72f0b1a624e2fd1e9f
  sessionId       string($date)
                  example: 2024-10-15
  sessionTime     string
                  example: 2:00 PM
  sessionEndTime  string
                  example: 4:30 PM
  movieName       string
                  example: Inception
  movieImg        string
                  example: https://example.com/poster.jpg
  movieDuration   string
                  example: 2 hrs 30 mins
  cinemaName      string
                  example: Cinema City
  userName        string
                  example: John Doe
  userEmail       string
                  example: john.doe@example.com
  tickets         [ {
                    type      string
                              example: ADULT
                    quantity   integer
                              example: 2
                  } ]
  status          string
                  example: PENDING
  createdAt       string($date-time)
                  example: 2024-10-12T10:00:00Z
}
```