**Concert Ticket Reservation – API Documentation**

Base URL = http://YOURLOCAL/api/v1

Event Search

For searching event by event name, artist name, location or even description.

**GET api/events/search**

|  |  |  |  |
| --- | --- | --- | --- |
| **Param** | **Type** | **Required** | **Description** |
| keyword | String | Yes | Search by event name, artis name, location, and description |
| page | Int | Yes | Pagination |
| size | int | yes | How many result on one page |

**Request Example**

curl -X 'GET' \

'http://localhost:8080/api/events/search?keyword=jazz&page=0&size=10' \

-H 'accept: \*/\*'

Response Example

{

"content": [

{

"id": 2,

"name": "Jazz Fest",

"description": "Smooth jazz evening",

"location": "Jazz Club B",

"eventDateTime": "2025-06-20T20:00:00",

"totalTickets": 3000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

}

],

"pageable": {

"pageNumber": 0,

"pageSize": 10,

"sort": {

"empty": true,

"sorted": false,

"unsorted": true

},

"offset": 0,

"paged": true,

"unpaged": false

},

"totalElements": 1,

"totalPages": 1,

"last": true,

"size": 10,

"number": 0,

"sort": {

"empty": true,

"sorted": false,

"unsorted": true

},

"numberOfElements": 1,

"first": true,

"empty": false

}

Event Upcoming

For searching event that will be available later

**GET api/events/upcoming**

|  |  |  |  |
| --- | --- | --- | --- |
| **Param** | **Type** | **Required** | **Description** |
| page | Int | Optional | Pagination , Default = 0 |
| size | int | Optional | How many result on one page, Default =10 |

**Request Example**

curl -X 'GET' \

'http://localhost:8080/api/events/upcoming?page=0&size=10' \

-H 'accept: \*/\*'

Response Example

{

"content": [

{

"id": 1,

"name": "Rock Night",

"description": "An electrifying rock concert",

"location": "Stadium A",

"eventDateTime": "2025-05-15T19:00:00",

"totalTickets": 5000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

{

"id": 2,

"name": "Jazz Fest",

"description": "Smooth jazz evening",

"location": "Jazz Club B",

"eventDateTime": "2025-06-20T20:00:00",

"totalTickets": 3000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

{

"id": 3,

"name": "Pop Fiesta",

"description": "Pop music extravaganza",

"location": "Arena C",

"eventDateTime": "2025-07-10T18:30:00",

"totalTickets": 6000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

{

"id": 4,

"name": "EDM Party",

"description": "Dance all night long",

"location": "Open Field D",

"eventDateTime": "2025-08-05T22:00:00",

"totalTickets": 7000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

{

"id": 5,

"name": "Indie Vibes",

"description": "Indie bands showcase",

"location": "Indie Hall E",

"eventDateTime": "2025-09-01T17:00:00",

"totalTickets": 2500,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

}

],

"pageable": {

"pageNumber": 0,

"pageSize": 10,

"sort": {

"empty": false,

"sorted": true,

"unsorted": false

},

"offset": 0,

"paged": true,

"unpaged": false

},

"last": true,

"totalPages": 1,

"totalElements": 5,

"first": true,

"size": 10,

"number": 0,

"sort": {

"empty": false,

"sorted": true,

"unsorted": false

},

"numberOfElements": 5,

"empty": false

}

Event Batch  
  
For retrieve event ticket rule for booking purposes

**GET api/events/{eventId}/batches**

|  |  |  |  |
| --- | --- | --- | --- |
| **Param** | **Type** | **Required** | **Description** |
| eventId | Int | Yes | Event Id from Upcoming event or from event search |

**Request Example**

curl -X 'GET' \

'http://localhost:8080/api/events/1/batches' \

-H 'accept: \*/\*'

Response Example

[

{

"id": 2,

"event": {

"id": 1,

"name": "Rock Night",

"description": "An electrifying rock concert",

"location": "Stadium A",

"eventDateTime": "2025-05-15T19:00:00",

"totalTickets": 5000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

"batchName": "Regular Sale",

"reservedQuota": 2000,

"soldCount": 5,

"price": 40,

"startTime": "2025-04-15T10:01:00",

"endTime": "2025-05-25T18:00:00",

"batchType": "REGULAR"

}

]

Booking Ticket

For customer to Booking event ticket

**POST api/bookings/create**

|  |  |  |  |
| --- | --- | --- | --- |
| **Param** | **Type** | **Required** | **Description** |
| userId | int | Yes | Id user on table user |
| eventId | Int | Yes | Id event from api event batch |
| batchId | int | yes | Id batch from api event batch |
| quantity | int | yes | Ticket bought by user |

**Request Example**

curl -X 'POST' \

'http://localhost:8080/api/bookings/create?userId=3&eventId=1&batchId=1&quantity=1' \

-H 'accept: \*/\*' \

-d ''

Response Example

{

"id": 9,

"user": {

"id": 3,

"username": "alice\_walker",

"email": "alice@example.com",

"createdAt": "2025-04-18T22:31:22"

},

"event": {

"id": 1,

"name": "Rock Night",

"description": "An electrifying rock concert",

"location": "Stadium A",

"eventDateTime": "2025-05-15T19:00:00",

"totalTickets": 5000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

"ticketBatch": {

"id": 1,

"event": {

"id": 1,

"name": "Rock Night",

"description": "An electrifying rock concert",

"location": "Stadium A",

"eventDateTime": "2025-05-15T19:00:00",

"totalTickets": 5000,

"createdAt": "2025-04-18T22:33:04",

"artistName": null

},

"batchName": "Limited Sale",

"reservedQuota": 3000,

"soldCount": 1,

"price": 50,

"startTime": "2025-05-15T09:00:00",

"endTime": "2025-05-15T10:00:00",

"batchType": "LIMITED"

},

"quantity": 1,

"status": "CONFIRMED",

"reservedAt": "2025-04-19T20:47:53.4612173"

}