

ZOHO WEB DEVELOPER RECRUITMENT

Application to book movie tickets

Implement User interface for single page web-application API which does movie booking management. Implement each module as instructed below.

Modules :

1. User Interface to display movie & theatre details :
 - a. Using the list all API, implement a user interface to display all the theatres, their current movie running, and their show timings. (Note: Each theatre has 100 seats and four shows everyday.)
2. User Interface for booking movie tickets:
 - a. Users can book tickets by clicking on any movie details. (Your web-app should pop-up a window on clicking a movie and should display seats available to choose and book. No need to provide a cancellation option for the booked tickets)

Notes:

- ✓ API will be provided for checking the list of theatres and movies hosted and as well as API for booking a ticket.
- ✓ Your email address must be included in every API call since your email id will be associated with your web-application data. (Make sure you use the same email address for all of your requests. For examples, please see the sample requests).
- ✓ Payment module need not be implemented in your web-app, so you can focus solely on the displaying and booking modules of your web-app.
- ✓ All the API's are POST serviced.
- ✓ All the API params are case-sensitive and should be sent in the request body.
- ✓ * params are mandatory.

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1) User Interface to display movie & theatre details:

- ✓ Use "getAllDetails" API to get all the theatres and movie information which are pre-populated.

API :

```
1 https://zincubate.in/api/MovieTicketChecker?action=getAllDetails
```

Request Parameters:

Parameter	DataType
user_mail_id*	String

Sample Request JSON:

```
1 {
2     "user_mail_id": "sample@gmail.com"
3 }
```

Sample Response JSON:

```
1 {
2     "theatre": [
3         {
4             "theatre_name": "Gokulam Cinemas",
5             "thumbnail_url":
6                 "https://lh3.googleusercontent.com/p/AF1QipMrgKxJIQkJKXyv0oBjqXuP
7                 pVYqupxwMMOjuQtU=s1360-w1360-h1020",
8             "customer_rating": 4.8,
9             "website": "http://gokulamcinemas.com/",
10            "address": "795C, Old Sundar Theatre Complex, Trunk
11                Road, Poonamallee, Rukmani Nagar, Poonamallee, Chennai, Tamil Nadu
12                600056",
```

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```
9         "show1_time": "9:30 AM",
10        "show1_movie": "Love Today",
11        "show2_time": "12:30 PM",
12        "show2_movie": "777 Charlie",
13        "show3_time": "3:00 PM",
14        "show3_movie": "Love Today",
15        "show4_time": "6:30 PM",
16        "show4_movie": "777 Charlie",
17        "booked_seats": [
18            {
19                "date": "21/12/2022",
20                "show1_time": "9:30 AM",
21                "show1_booked_seats": "[7,8,14]"
22            },
23            {
24                "date": "23/12/2022",
25                "show1_time": "9:30 AM",
26                "show1_booked_seats": "[7,8,14]"
27            },
28            {
29                "date": "25/12/2022",
30                "show1_time": "9:30 AM",
31                "show1_booked_seats": "[2, 6, 9, 15, 16, 18]"
32            }
33        ]
34    },
35    ....
36 ],
37 "movies": [
38     {
39         "release_date": "November 4, 2022",
40         "running_time": "2 hours 34 minutes",
41         "language": "Tamil",
42         "movie_name": "Love Today",
43         "thumbnail_url":
```

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```
"https://upload.wikimedia.org/wikipedia/en/3/33/Love_Today_2022_p
oster.jpg",
44         "imdb_rating": "8.4",
45         "tags": "Comedy,Drama,Romance"
46     },
47     ....
48 ]
49 }
```

2) User Interface for booking movie tickets:

- ✓ You can reserve seats using the "bookSeats" API, however you cannot change your reservation.

API :

```
1  https://zincubate.in/api/MovieTicketChecker?action=bookSeats
```

Request Parameters:

Parameter	DataType
show_time*	String
movie_name*	String
theatre_name*	String
booked_seats*	String
date*	dd/mm/yyyy
user_mail_id*	String

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Sample Request JSON:

```
1 {  
2   "show_time": "9:30 AM",  
3   "movie_name": "KVRK",  
4   "theatre_name": "Rohini Silver Screens",  
5   "booked_seats": "[2,3,4,8,9]",  
6   "date": "22/12/2022",  
7   "user_mail_id": "sample@gmail.com"  
8 }
```

Sample Response JSON:

```
1 {  
2   "message": "[2,3,4,8,9] Seats are Booked Successfully"  
3 }
```