City Tours API Documentation

# Users and Login.

## Creates a new User Account.

http://localhost:9000/register

POST

Body:

{

"username" : "JamieBurrowsTwo",

"password" : "password",

"confirmPassword" : "password",

"role" : "ROLE\_USER",

"fName" : "Jamie",

"lName" : "Burrows",

"emailAddress" : "myemail@gmail.com",

"address" : "123 any street",

"phoneNumber" : ""

}

No Response Body

Response Success Code: 201 - Created

## Login.

http://localhost:9000/login

POST

Body:

{

"username": "user",

"password": "password"

}

Response Body:

{

"token": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ1c2VyIiwiYXV0aCI6IlJPTEVfVVNFUiIsImV4cCI6MTcxMzI3NzQ4N30.nf0dQ3hFF2YiQDKqc\_S-LqtOgRfGqYIOMSQMRM7\_1SfKOfn4gzy2skkh1gE4h-gdxo\_5Cpxk2iJWhKV08mU6HQ",

"user": {

"id": 1,

"username": "user",

"fName": **null**,

"lName": **null**,

"emailAddress": **null**,

"address": **null**,

"phoneNumber": **null**,

"authorities": [

{

"name": "ROLE\_USER"

}

]

}

}

Response Success Code: 200 - OK

# Itinerary.

## Get Itinerary by Id.

http://localhost:9000/itinerary/{itinerary Id}

GET

No Outbound Body.

Response Body:

{

Itinerary object stuff here - too much to paste here

}

Response Success Code: 200 - OK

## Get list of Itineraries(ID and Name) by User Id.

http://localhost:9000/itineraries/{user ID}

GET

No Outbound Body.

Response Body:

[

{

"itineraryId": 1,

"itineraryName": "FirstTest",

"userId": 0,

"startPoint": **null**,

"itineraryDate": **null**,

"landmarks": **null**

},

{

"itineraryId": 2,

"itineraryName": "testJamie",

"userId": 0,

"startPoint": **null**,

"itineraryDate": **null**,

"landmarks": **null**

},

{

"itineraryId": 3,

"itineraryName": "testJamie",

"userId": 0,

"startPoint": **null**,

"itineraryDate": **null**,

"landmarks": **null**

}

]

Response Success Code: 200 - OK

## Create base Itinerary

http://localhost:9000/itinerary

POST

Outbound Body:

{

"itineraryName": "testJamie",

"userId": "1",

"itineraryDate" : "04-11-2024"

}

Response Body:

{

"itineraryId": 3,

"itineraryName": "testJamie",

"userId": 1,

"startPoint": **null**,

"itineraryDate": "2024-04-11",

"landmarks": []

}

Response Success Code: 201 - Created

## Create a Start Point for an Itinerary.

http://localhost:9000/itinerary/startpoint

POST

Outbound Body:

{

"nameStartPoint" : "TestStartPoint",

"latitudeSP" : "41.866371",

"longitudeSP" : "-87.6066821",

"itineraryId" : "1"

}

Response Body:

{

"startPointId": 5,

"nameStartPoint": "TestStartPoint",

"latitudeSP": "41.866371",

"longitudeSP": "-87.6066821",

"itineraryId": 1

}

Response Success Code: 200 - OK

## Add a Start Point to an Itinerary.

http://localhost:9000/itinerary/{itinerary Id}/update

PUT

No Outbound Body.

Response Body:

{

"itineraryId": 1,

"itineraryName": "FirstTest",

"userId": 1,

"startPoint": {

"startPointId": 5,

"nameStartPoint": "TestStartPoint",

"latitudeSP": "41.866371",

"longitudeSP": "-87.6066821",

"itineraryId": 1

},

"itineraryDate": "2024-04-10",

"landmarks": []

}

Response Success Code: 200 - OK

## Add Landmarks to Itinerary.

http://localhost:9000/itinerary/{itinerary Id}/landmark

POST

Outbound Body:

[

1,

2,

3

]

No Response Body

Response Success Code: 201 - Created

## Update Itinerary.

http://localhost:9000/itinerary/updateobject

PUT.

Outbound Body:

{

"itineraryId": 1,

"itineraryName": "testJamie",

"userId": 1,

"startPoint": **null**,

"itineraryDate": "2024-07-04",

"landmarks": []

}

Response Body:

1

The number above is the number of rows affected by the update sql.

## Delete Itinerary.

http://localhost:9000/itinerary/{itinerary Id}/delete

PUT.

No Outbound Body.

Response Body:

1

The number above is the number of rows affected by the update sql.

## Update Itinerary Landmark List (using Itinerary ID in URL, and Landmark ID list in the body).

http://localhost:9000/updateitinerarylandmarks/{itinerary Id}

PUT.

Outbound Body:

[

7,

8,

9

]

Response Body:

3

The number above is the number of rows affected by the update sql.

## Delete Landmark list for Itinerary.

http://localhost:9000/itinerary/{Itinerary Id}/landmark/delete

PUT.

No Outbound Body.

Response Body:

3

The number above is the number of rows affected by the update sql.

# Landmarks.

## Get all Landmarks.

http://localhost:9000/landmarks

GET

No Outbound Body.

Response Body:

[

{

"landmarkId": 10,

"landmarkName": "Doane Observatory/Adler Planetarium",

"description": "Chicagos Adler Planetarium is Americas first planetarium and a premiere resource for inspiring the next generation of space explorers",

"venueTypeName": "Park",

"dayTimes": [],

"longitudeLM": "-87.606682",

"latitudeLM": "41.866371",

"imageURLs": [],

"address": "1300 S Lake Shore Dr, Chicago, IL 60605"

},

… more landmark objects like above

]

Response Success Code: 200 - OK

## Get Landmark by Id.

http://localhost:9000/landmarks/{landmark Id}

GET

No Outbound Body.

Response Body:

{

"landmarkId": 1,

"landmarkName": "Skydeck Chicago",

"description": "Experience a unique aerial view of Chicago like you have never seen before!",

"venueTypeName": "Park",

"dayTimes": [

{

"dayTimeId": 1,

"landmarkId": 1,

"dayName": "Sunday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 2,

"landmarkId": 1,

"dayName": "Monday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 3,

"landmarkId": 1,

"dayName": "Tuesday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 4,

"landmarkId": 1,

"dayName": "Wednesday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 5,

"landmarkId": 1,

"dayName": "Thursday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 6,

"landmarkId": 1,

"dayName": "Friday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 7,

"landmarkId": 1,

"dayName": "Saturday",

"openTime": "09:00am",

"closeTime": "10:00pm"

}

],

"longitudeLM": "-87.635490",

"latitudeLM": "41.878910",

"imageURLs": [

{

"imageId": 1,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck1.jpg"

},

{

"imageId": 2,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck2.jpg"

},

{

"imageId": 3,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck3.jpg"

},

{

"imageId": 4,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck4.jpg"

}

],

"address": "233 S Wacker Dr, Chicago, IL 60606"

}

Response Success Code: 200 - OK

## Update Likes counter for a Landmark ID.

http://localhost:9000/landmark/{landmark Id}/like/{count value}

PUT.

No Outbound Body.

Response Body:

1

The number above is the returned new value of the ‘landmark like’ variable

## Update Dislikes counter for a Landmark ID.

http://localhost:9000/landmark/{landmark Id}/dislike/{count value}

PUT.

No Outbound Body.

Response Body:

1

The number above is the returned new value of the ‘landmark dislike’ variable

# Venues.

## Get all Venues.

http://localhost:9000/venues

GET

No Outbound Body.

Response Body:

[

{

"venueId": 1,

"venueName": "Park"

},

{

"venueId": 2,

"venueName": "Museum"

},

{

"venueId": 3,

"venueName": "Restaurant"

},

{

"venueId": 4,

"venueName": "Entertainment"

},

{

"venueId": 5,

"venueName": "Community Center"

},

{

"venueId": 6,

"venueName": "Landmark"

}

]

Response Success Code: 200 - OK

# StartPoint.

## Get a Start Point by Itinerary Id.

http://localhost:9000/startpoint/{itinerary id}

GET

No Outbound Body.

Response Body:

{

"startPointId": 5,

"nameStartPoint": "TestStartPoint",

"latitudeSP": "41.866371",

"longitudeSP": "-87.6066821",

"itineraryId": 1

}

Response Success Code: 200 - OK

## Update Startpoint with Startpoint object.

http://localhost:9000/startpoint/updateobject

PUT.

Outbound Body:

{

"startPointId": 1,

"nameStartPoint": "updated SP name",

"latitudeSP": "41.866371",

"longitudeSP": "-87.606682",

"itineraryId": 1

}

Response Body:

1

The number above is the number of rows affected by the update sql.

## Delete StartPoint via Update with Itinerary Id.

http://localhost:9000/startpoint/{itinerary id}/delete

PUT.

No Outbound Body.

Response Body:

1

The number above is the number of rows affected by the update sql.

# Images.

## Add an image record to the Images Landmark table.

http://localhost:9000/images

POST.

Outbound Body:

{

"landmarkId" : "1",

"imageUrl" : "bob"

}

Response Body:

{

"imageId": 3,

"landmarkId": 10,

"imageUrl": "bob.jpg"

}

Response Success Code: 201 - Created

## Get a list of images for a Landmark.

http://localhost:9000/images/{Landmark Id}

GET.

No Outbound Body.

Response Body:

[

{

"imageId": 1,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck1.jpg"

},

{

"imageId": 2,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck2.jpg"

},

{

"imageId": 3,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck3.jpg"

},

{

"imageId": 4,

"landmarkId": 1,

"imageUrl": "src\\assets\\imgs\\skydeck\\skydeck4.jpg"

}

]

Response Success Code: 200 - OK

# Day Times.

## Get Daytimes by Landmark Id.

http://localhost:9000/landmarks/{Landmark Id}/daytimes

GET.

No Outbound Body.

Response Body:

[

{

"dayTimeId": 1,

"landmarkId": 1,

"dayName": "Sunday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 2,

"landmarkId": 1,

"dayName": "Monday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 3,

"landmarkId": 1,

"dayName": "Tuesday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 4,

"landmarkId": 1,

"dayName": "Wednesday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 5,

"landmarkId": 1,

"dayName": "Thursday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 6,

"landmarkId": 1,

"dayName": "Friday",

"openTime": "09:00am",

"closeTime": "10:00pm"

},

{

"dayTimeId": 7,

"landmarkId": 1,

"dayName": "Saturday",

"openTime": "09:00am",

"closeTime": "10:00pm"

}

]

Response Success Code: 200 - OK

# Mapbox.

## Generate Mapbox Itinerary URL.

http://localhost:9000/mapboxURL/{itinerary Id}

GET.

No Outbound Body.

Response Body:

https://api.mapbox.com/directions/v5/mapbox/driving/-87.6066821,41.866371;-87.635490,41.878910;-87.625960,41.888120;-87.624039,41.87953?alternatives=true&geometries=geojson&language=en&overview=full&steps=true&access\_token=<token appears here>

Response Success Code: 201 - Created

## Get Mapbox Token

http://localhost:9000/mapbox/token

GET.

No Outbound Body.

Response Body:

*Mapbox token text*

Response Success Code: 201 - Created