

Final Project Submission

GitHub Repository URL:

<https://github.com/harvisd/FinalCodingProject>

Swagger Screenshots(with results):

GET

/Organizers return a list of Organizers

Returns a list of Organizers given a valid organizer username, organizer first name, organizer last name or event name

Parameters

Name	Description
username string (query)	The organizer username(i.e., 'PolishGirl76')
organizerFirstName string (query)	The organizer's first name(i.e., 'Laura')
organizerLastName string (query)	The organizer last name(i.e., 'Smith')
eventName string (query)	The event name(i.e., '2022 Ballroom Costume Gala')

Curl

curl -X 'GET' \n "http://localhost:8080/Organizers?username=Thomas3d&organizerFirstName=Thomas%20&organizerLastName=Jones&eventName=Salsa%20Fest%202022" \n -H 'accept: application/json'

Request URL

http://localhost:8080/Organizers?username=Thomas3d&organizerFirstName=Thomas%20&organizerLastName=Jones&eventName=Salsa%20Fest%202022

Server response

Code

Details

200

Response body

{\n {\n "organizerId": null,\n "username": "Thomas3d",\n "organizerFirstName": "Thomas",\n "organizerLastName": "Jones",\n "eventName": "Salsa Fest 2022"\n }\n}

Response headers

connection: keep-alive\ncontent-type: application/json\ndate: Fri, 22 Jul 2022 12:18:44 GMT\nkeep-alive: timeout=60\ntransfer-encoding: chunked

Responses

Code	Description	Links
200	A list of organizers is returned.	No links

PUT

/Organizers

Updating an Organizer

Updates an existing Organizer when supplied with username, organizer first name, and organizer last name

Parameters

Name	Description
username string (query)	The username(i.e., 'BoppingJimmy77')
organizerFirstName string (query)	The organizer first name(i.e., 'Simon')
organizerLastName string (query)	The organzier last name(i.e., 'Johnson')

Curl

curl -X 'PUT' \nhttp://localhost:8080/Organizers?username=dannyDancer&organizerFirstName=Dennis&organizerLastName=Deleon' \n-H 'accept: application/json'

Request URL

http://localhost:8080/Organizers?username=dannyDancer&organizerFirstName=Dennis&organizerLastName=Deleon

Server response

Code	Details
200	<div>Response body</div> <div>{\n "organizerId": null,\n "username": "dannyDancer",\n "organizerFirstName": "Dennis",\n "organizerLastName": "Deleon",\n "eventName": null\n}</div> <div>Response headers</div> <div>connection: keep-alive\ncontent-type: application/json\ndate: Fri, 22 Jul 2022 12:19:14 GMT\nkeep-alive: timeout=60\ntransfer-encoding: chunked</div>

Responses

Code	Description	Links
200	The organizer has been updated.	No links

Media type

application/json

POST

/Organizers

Creating a new Organizer

Creates a new Organizer when supplied with organizer username, organizer first Name, organizer last Name, and event name

Parameters

Name	Description
username string (query)	The organizer username(i.e., 'PolishGirl76')
	<div>DancingSStar83</div>
organizerFirstName string (query)	The organizer's first name(i.e., 'Laura')
	<div>Suzie</div>
organizerLastName string (query)	The organizer last name(i.e., 'Smith')
	<div>McFarland</div>
eventName string (query)	The event name(i.e., '2022 Ballroom Costume Gala')
	<div>2022 Flamenco Showcase</div>

Curl

```
curl -X 'POST' \
'http://localhost:8080/Organizers?username=DancingSStar83&organizerFirstName=Suzie&organizerLastName=McFarland&eventName=2022X20FlamencoX20Showcase' \
-H 'accept: application/json' \
-d ''
```

Request URL

```
http://localhost:8080/Organizers?username=DancingSStar83&organizerFirstName=Suzie&organizerLastName=McFarland&eventName=2022X20FlamencoX20Showcase
```

Server response

Code	Details
201	<div><div>Response body</div><div><pre>{ "organizerId": null, "username": "DancingSStar83", "organizerFirstName": "Suzie", "organizerLastName": "McFarland", "eventName": "2022 Flamenco Showcase" }</pre></div><div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>connection: keep-alive content-type: application/json date: Fri, 22 Jul 2022 12:19:57 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div></div>

Responses

Code	Description	Links
201	The Organizer has been created.	No links

Media type

application/json

DELETE

/Organizers

Deleting an Organizer

Deletes an existing Organizer when supplied with username, organizer First Name, and organizer Last Name

Parameters

Name	Description
username string (query)	The username(i.e., 'CalvinH55')
organizerFirstName string (query)	The event organizer's first name(i.e., 'Calvin')
organizerLastName string (query)	The event organizer's last name(i.e., 'Harris')

Curl

```
curl -X 'DELETE' \
'http://localhost:8080/Organizers?username=Kell1983&organizerFirstName=Kelly&organizerLastName=Smith' \
-H 'accept: application/json'
```

Request URL

```
http://localhost:8080/Organizers?username=Kell1983&organizerFirstName=Kelly&organizerLastName=Smith
```

Server response

Code	Details
200	<div><div>Response body</div><pre>{ "organizerId": null, "username": "Kell1983", "organizerFirstName": "Kelly", "organizerLastName": "Smith", "eventName": null }</pre><div>Download</div></div> <div><div>Response headers</div><pre>connection: keep-alive content-type: application/json date: Fri, 22 Jul 2022 12:20:26 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div>

Responses

Code	Description	Links
200	The Organizer has been deleted.	No links

Media type

application/json

GET

/Locations

return a list of Locations

Returns a list of Locations given a valid location name, location address or location zip

Parameters

Name	Description
locationName string (query)	The event location name(i.e., 'Polish American Club')
locationAddress string (query)	The location address(i.e., '600 Main Street, Worcester, MA')
locationZip integer(\$int32) (query)	The event ZipCode(i.e., '01608')

```
curl -X 'GET' \
'http://localhost:8080/Locations?locationName=UMass%20Boston%20Campus&locationAddress=100%20William%20T%20Boulevard&locationZip=02125' \
-H 'accept: application/json'
```

Request URL

```
http://localhost:8080/Locations?locationName=UMass%20Boston%20Campus&locationAddress=100%20William%20T%20Boulevard&locationZip=02125
```

Server response

Code	Details
200	<div>Response body</div> <div><pre>[{ "locationId": null, "locationName": "UMass Boston Campus", "locationAddress": "100 William T Boulevard", "locationZip": 02125, "eventName": null }]</pre></div> <div>Download</div> <div>Response headers</div> <div><pre>connection: keep-alive content-type: application/json date: Fri, 22 Jul 2022 12:21:49 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div>

Responses

Code	Description	Links
200	A list of Locations is returned.	No links

Media type

application/json

Controls Accept header.

PUT

/Locations

Updating a Location

Updates an existing Location when supplied with location name, location address and location zip

Parameters

Name	Description
locationName string (query)	The event location name(i.e., 'Polish American Club')
	<input type="text" value="Stamford Marriott"/>
locationAddress string (query)	The location address(i.e., '600 Main Street, Worcester, MA')
	<input type="text" value="68 Marconi Boulevard"/>
locationZip integer(\$int32) (query)	The event ZipCode(i.e., '01608')
	<input type="text" value="76243"/>

Curl

```
curl -X 'PUT' \
'http://localhost:8080/Locations?locationName=Stamford%20Marriott&locationAddress=68%20Marconi%20Boulevard&locationZip=76243' \
-H 'accept: application/json'
```

Request URL

```
http://localhost:8080/Locations?locationName=Stamford%20Marriott&locationAddress=68%20Marconi%20Boulevard&locationZip=76243
```

Server response

Code

Details

200

Response body

```
{
  "locationId": null,
  "locationName": "Stamford Marriott",
  "locationAddress": "68 Marconi Boulevard",
  "locationZip": 76243,
  "eventName": null
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Fri, 22 Jul 2022 12:22:24 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

Code	Description	Links
200	The Location has been updated.	No links

Media type
application/json

POST

/Locations

Creating a new Location

Creates a new Location when supplied with location name, location address, and location zip

Parameters

Name	Description
locationName string (query)	The location name(i.e., 'Polish American Club') <div>Raices Dance Studio</div>
locationAddress string (query)	The event location address(i.e., '600 Main Street, Worcester, MA') <div>2 Green Street, Worcester, MA</div>
locationZip integer(\$int32) (query)	The event location ZipCode(i.e., '01608') <div>01608</div>
eventName string (query)	<div>Summer Dance Social</div>

Curl

```
curl -X 'POST' \
  'http://localhost:8080/Locations?locationName=Raices%20Dance%20Studio&locationAddress=2%20Green%20Street%2C%20Worcester%2C%20MA&locationZip=01608&eventName=Summer%20Dance%20Social' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

http://localhost:8080/Locations?locationName=Raices%20Dance%20Studio&locationAddress=2%20Green%20Street%2C%20Worcester%2C%20MA&locationZip=01608&eventName=Summer%20Dance%20Social

Server response

Code	Details
201	<div>Response body</div> <div><pre>{ "locationId": null, "locationName": "Raices Dance Studio", "locationAddress": "2 Green Street, Worcester, MA", "locationZip": "1608", "eventName": "Summer Dance Social" }</pre></div> <div>Response headers</div> <div><pre>connection: keep-alive content-type: application/json date: Fri, 22 Jul 2022 12:17:41 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div>

Responses

Code	Description	Links
201	The Location has been created.	No links

Maria Hume

default-events-controller

GET

/Events

return a list of Events

Returns a list of Events given a valid event name or event location name

Parameters

Name	Description
eventName	The event name(i.e., 'American Dance Festival')
string	
(query)	
	Main Street Swing Danceathon
locationName	The event location name(i.e., 'Polish American Club')
string	
(query)	
	Worcester City Hall

Curl

```
curl -X 'GET' \
  'http://localhost:8080/Events?eventName=Main%20Street%20Swing%20Danceathon&locationName=Worcester%20City%20Hall' \
  -H 'accept: application/json'
```

Request URL

http://localhost:8080/Events?eventName=Main%20Street%20Swing%20Danceathon&locationName=Worcester%20City%20Hall

Server response

Code	Details
200	<div>Response body</div> <div><pre>[{ "eventId": null, "eventName": "City Fundraiser", "organizerUsername": null, "locationName": "Worcester City Hall" }, { "eventId": null, "eventName": "City Fundraiser Salsa", "organizerUsername": null, "locationName": "Worcester City Hall" }]</pre></div> <div>Response headers</div> <div><pre>connection: keep-alive content-type: application/json date: Fri, 22 Jul 2022 12:27:06 GMT keep-alive: timeout=60 transfer-encoding: chunked</pre></div>

Responses

Code	Description	Links
200	A list of Events is returned.	No links

PUT

/Events

Updating an Event

Updates an existing Event when supplied with event name, location name, and organizer name

Parameters

Name	Description
eventName string (query)	The event name(i.e., 'American Dance Festival') <div>2022 Latin Dance Festival</div>
locationName string (query)	The event location name(i.e., 'Polish American Club') <div>Stamford Marriott</div>
organizerUsername string (query)	The event organizer's username(i.e., 'SambaDancer87') <div>AnaG57</div>

Curl

```
curl -X 'PUT' \
'http://localhost:8080/Events?eventName=2022%20Latin%20Dance%20Festival&locationName=Stamford%20Marriott&organizerUsername=AnaG57' \
-H 'accept: application/json'
```

Request URL

```
http://localhost:8080/Events?eventName=2022%20Latin%20Dance%20Festival&locationName=Stamford%20Marriott&organizerUsername=AnaG57
```

Server response

Code

Details

200

Response body

```
{
  "eventId": null,
  "eventName": "2022 Latin Dance Festival",
  "organizerUsername": "AnaG57",
  "locationName": "Stamford Marriott"
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Fri, 22 Jul 2022 12:27:59 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

Code	Description	Links
200	The event has been updated.	No links

Media type

application/json

Controls Accept header

POST

/Events

Creating a new Event

Creates a new Event when supplied with event name, location name, and organizer name

Parameters

Name	Description
eventName string (query)	The event name(i.e., 'American Dance Festival') <div>Irish American Festival</div>
locationName string (query)	The event location name(i.e., 'Polish American Club') <div>Worcester City Hall</div>
organizerUsername string (query)	The event organizer's username(i.e., 'SambaDancer87') <div>Thomas3d</div>

Responses

Curl

```
curl -X 'POST' \
'http://localhost:8080/Events?eventName=Irish%20American%20Festival&locationName=Worcester%20City%20Hall&organizerUsername=Thomas3d' \
-H 'accept: application/json' \
-d ''
```

Request URL

http://localhost:8080/Events?eventName=Irish%20American%20Festival&locationName=Worcester%20City%20Hall&organizerUsername=Thomas3d

Server response

Code Details

201

Response body

```
{
  "eventId": null,
  "eventName": "Irish American Festival",
  "organizerUsername": "Thomas3d",
  "locationName": "Worcester City Hall"
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Fri, 22 Jul 2022 12:29:23 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

Code	Description	Links
201	The event has been created.	No links

Media type

DELETE /Events Deleting an Event

Deletes an existing Event when supplied with event name

Parameters

Name	Description
eventName string (query)	The event name(i.e., 'American Dance Festival')
organizerUsername string (query)	The organizer username(i.e., 'BellyDancingGirl96')
locationName string (query)	The location name(i.e., 'American Dance Institute')

Curl

```
curl -X 'DELETE' \
'http://localhost:8080/Events?eventName=Dance%20Night%20Under%20The%20Stars&organizerUsername=LauraN&locationName=Marlboro%20Adult%20Learning%20Center' \
-H 'accept: application/json'
```

Request URL

http://localhost:8080/Events?eventName=Dance%20Night%20Under%20The%20Stars&organizerUsername=LauraN&locationName=Marlboro%20Adult%20Learning%20Center

Server response

Code Details

200

Response body

```
{
  "eventId": null,
  "eventName": "Dance Night Under The Stars",
  "organizerUsername": "LauraN",
  "locationName": "Marlboro Adult Learning Center"
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Fri, 22 Jul 2022 12:30:09 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

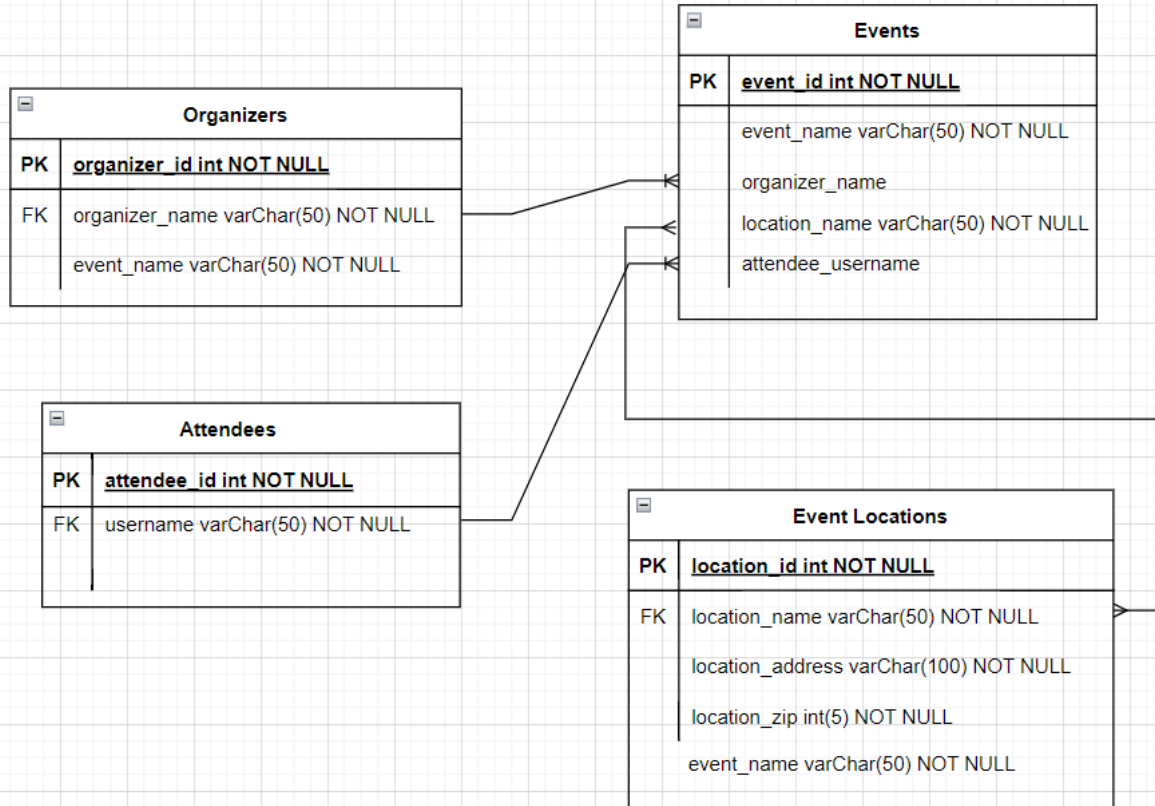
Code	Description	Links
200	The event has been deleted.	No links

Media type

application/json

Content-type header

Database Design ERD:



Harvis' Custom Web API Documentation:

Default Organizers Controller:

Allowed requests: GET, PUT, POST, DELETE

Input required:

GET – username, organizer's first name, organizer's last name, event name.

PUT – username, organizer's first name, organizer's last name.

POST – username, organizer's first name, organizer's last name, event name.

DELETE - username, organizer's first name, organizer's last name.

Purpose/Expected Outcome:

GET – to retrieve a list of organizers, outcome expected is response code 200.

Other possible outcomes:

- Response Code "400" – the request parameters are invalid.
- Response Code "404" – nothing was found with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

PUT - to update an organizer's information, outcome expected is response code 200.

Other possible outcomes:

- Response Code "400" – the supplied parameters are invalid.
- Response Code "404" – nothing was found with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

POST – to create a new organizer in the database, outcome expected is response code 201.

Other possible outcomes:

- Response Code "400" – the supplied parameters are invalid.
- Response Code "404" – nothing was added with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

DELETE – to delete an existing organizer, outcome expected is response code 200.

Other possible outcomes:

- Response Code "400" – the supplied parameters are invalid.
- Response Code "404" – nothing was found with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

Default Locations Controller:

Allowed requests: GET, PUT, POST

Input required:

GET – location name, location address, and location zip code.

PUT – location name, location address, and location zip code.

POST – location name, location address, location zip code, and event name.

Purpose/Expected Outcome:

GET – to retrieve a list of locations, outcome expected is response code 200.

Other possible outcomes:

- Response Code “400” – the request parameters are invalid.
- Response Code “404” – nothing was found with the supplied criteria.
- Response Code “500” – an unplanned error has occurred.

PUT - to update an existing location’s information, outcome expected is response code 200.

Other possible outcomes:

- Response Code “400” – the supplied parameters are invalid.
- Response Code “404” – nothing was found with the supplied criteria.
- Response Code “500” – an unplanned error has occurred.

POST – to add(create) a new location in the database, outcome expected is response code 201.

Other possible outcomes:

- Response Code “400” – the supplied parameters are invalid.
- Response Code “404” – nothing was added with the supplied criteria.
- Response Code “500” – an unplanned error has occurred.

Default Events Controller:

Allowed requests: GET, PUT, POST, DELETE

Input required:

GET – event name and location name.

PUT – username, organizer’s first & last name.

POST – username, organizer’s first & last name, event name.

DELETE - username, organizer’s first & last name.

Purpose/Expected Outcome:

GET – to retrieve a list of events, outcome expected is response code 200.

Other possible outcomes:

- Response Code "400" – the request parameters are invalid.
- Response Code "404" – nothing was found with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

PUT - to update an existing event's information, outcome expected is response code 200.

Other possible outcomes:

- Response Code "400" – the supplied parameters are invalid.
- Response Code "404" – nothing was found with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

POST – to create a new event in the database, outcome expected is response code 201.

Other possible outcomes:

- Response Code "400" – the supplied parameters are invalid.
- Response Code "404" – nothing was added with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.

DELETE – to delete an existing event, outcome expected is response code 200.

Other possible outcomes:

- Response Code "400" – the supplied parameters are invalid.
- Response Code "404" – nothing was found with the supplied criteria.
- Response Code "500" – an unplanned error has occurred.