EventUp

REST API
Documentation

Author(s):
Cory Lewis
Vincent Santos

Updated: 5/6/19

Endpoints(s)

1. User Routes
    1.1. users/Login - POST
    1.2. users/Register - PUT
    1.3. users/ - GET
    1.4. users/RSVP - POST
    1.5. users/RSVP - DELETE
    1.6. users/RSVP/:EventId(\\d+) - GET
    1.7. users/posts - POST

2. Event Routes
    2.1. events/ - GET
    2.2. events/ - POST
    2.3. events/:id - DELETE
    2.4. events/:id - GET
    2.5. events/filter/:id - GET

3. Message Routes (1 to 1 relationship)
    3.1. messages/send - POST
    3.2. messages/:EventId - GET

4. Map Routes **[Not Implemented on Back-End]**
    4.1. maps/log - POST
    4.2. maps/log - GET

4.3. maps/log/:Limit - GET

5. Category
   5.1. categories/ - GET

6. Location
   6.1. locations/ - GET

1.1 /users/login

- Description: Login a user that has already registered. You receive a token and that is used to gain access to other routes
- Request:
  - endpoint: /users/login
  - method="**POST**"
  - Body
    - Raw -> application/json

      {

      "Email" : "sstudent@gmail.com",

      "Password" : "password"

      }
- Response:
  - *(int)* **id**: id of user in db
  - *(bool)* **status**: successful login *(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(string)* **token**: token used for header in requests

    {

    "id": #,

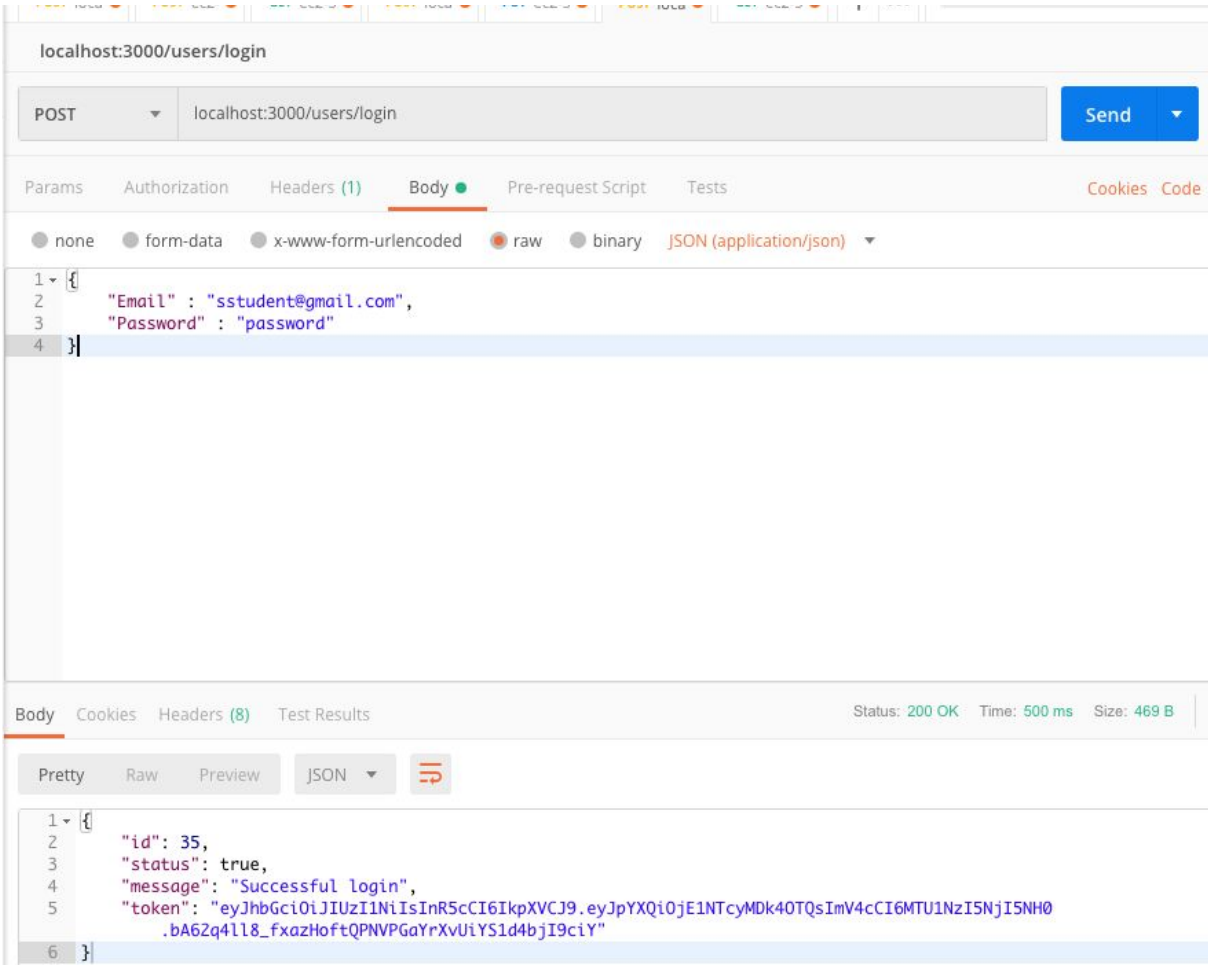
    "status": true/false,

    "message": "Successful Login",

    "token": "HASHED_TOKEN_USED_FOR_LOGIN"

    }

- Sample Screenshot:



1.2 /users/register

- Description: registers a user into the db and receive a token.
- Request:
  -
  - endpoint: /users/register
  - method="**PUT**"
  - Body
    - Raw -> application/json

      {

      "FirstName": "Generic",

      "LastName": "User",

      "Email": "gu@gmail.com",

      "Password": "password"

      }
- Response:
  - *(int)* **id**: id of user in db
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(string)* **token**: token used for header in requests

    {

    "id": #,

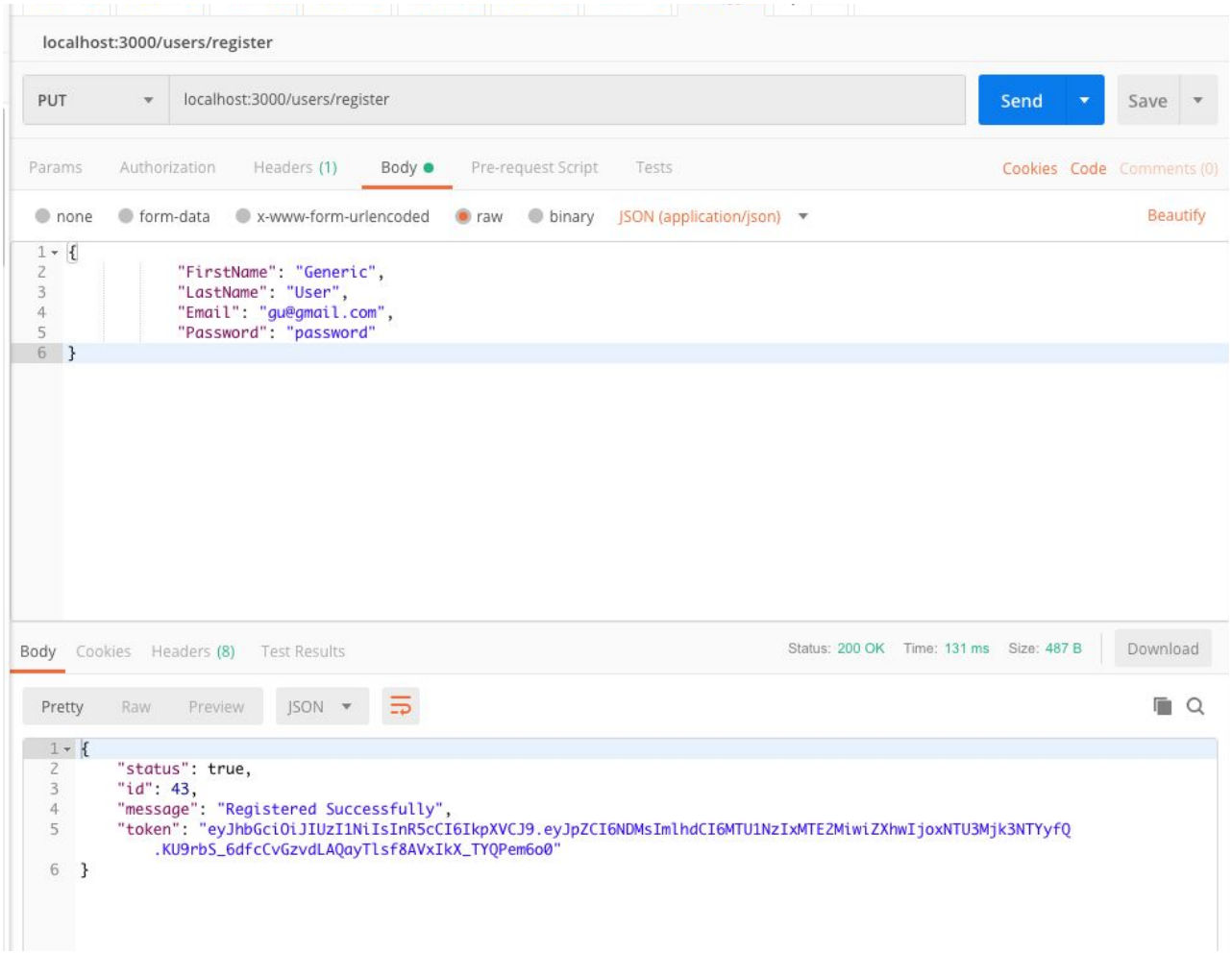
    "status": true/false,

    "message": "Successful login",

    "token": "HASHED_TOKEN_USED_FOR_LOGIN"

    }

- Sample Screenshot:



1.3 /users/getUsers

- Description: This route returns all users in db *(for testing)*
- Request:
  - Description: Returns all users in db.
  - endpoint: /users/
  - method="**GET**"
  - Headers

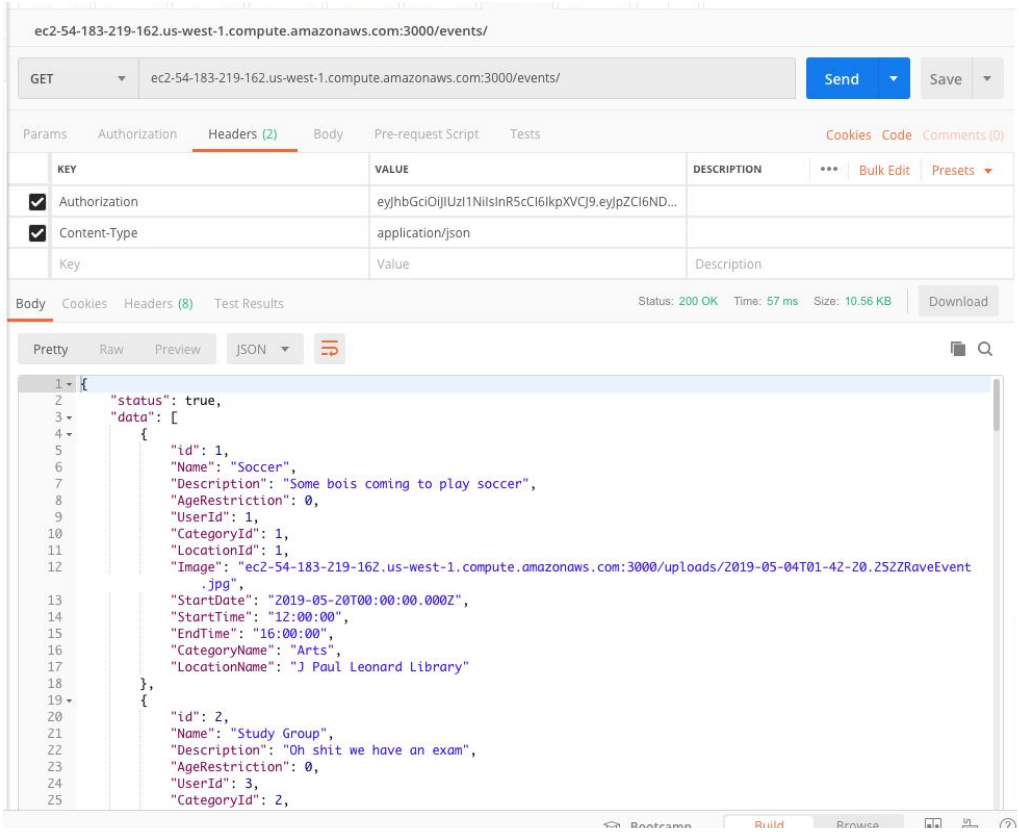
Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - none
- Response:
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(int)* **UserCount**: amount of users queried
  - *(Object Array)* **users**: array of users

```
{
   "status": true/false,
   "UserCount": #,
   "users": [
      {
         "id": #,
         "FirstName": "...",
         "LastName": "...",
         "Email": "...@domain.com",
         "Password": "...",
         "Image": URL_PATH
```

```
        },
    ...
}
```

Sample screenshot:



1.4 /users/RSVP

- Description: When a user rsvp's for an event we add that record into the db
- Request:
  - endpoint: /users/RSVP
  - method="**POST**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - Raw -> application/json

```
{
        "UserId" : #,
        "EventId" : #
}
```

- Response:
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response

```
{
 "status": true/false,
  "message": "...",
}
```

1.5 /users/RSVP

- Description: Removes an RSVP record from RSVP table in db.
- Request:
  - endpoint: /users/RSVP
  - method="**DELETE**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - Raw -> application/json

```
{
        "UserId" : #,
        "EventId" : #
}
```

- Response:
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response

```
{
 "status": true/false,
  "message": "...",
}
```

1.6 /users/RSVP/:UserId(\\d+)

- Description: Retrieves all events a specific user has RSVP'd for.
- Request:
  - endpoint: /users/RSVP/:UserId(\\d+)
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - none
- Response:
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - (Object array) **data**: array of events user has RSVP'd for

```
{
 "status": true/false,
  "message": "...",
  "data": [
                {
                //event contents
                }
            ]
}
```

1.7 /users/posts

- Description: Return all posts related to a specific user id.
- Request:
  - endpoint: /users/posts
  - method="**POST**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - Raw -> application/json

```
{
        "UserId" : #,
}
```

- Response:
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(object array)* **data** : array of events

```
{
 "status": true/false,
  "message": "...",
  "data": [
            {
            //event contents
            }
        ]
}
```

2.1 events/

- Description: get all events from db
- Request:
  - endpoint: /events/
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body

    none

- Response:
  - *(bool)* **status**: successful *(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(object array)* **data** : array of events

```
{
 "status": true/false,
  "message": "...",
  "data": [
            {
            //event details
            }
          ]
}
```

2.2 events/

- Description: Post an event. This event is inserted into database
- Request:
  - endpoint: /events/
  - method="**POST**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - Raw -> application/json

{ "Name" : "...",
"Description" : "...",
"AgeRestriction" : #,
"UserId" : #,
"CategoryId" : #,
"LocationId" : #,
"Image" : RAW,
"StartDate" : date,
"StartTime" : time,
"EndTime" : time }

- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(int)* **EventId**: id of event inserted into database

{ "status": true/false,
"message": "response info",
"EventId": # }

2.3 events/:id

- Description: delete an event from db.
- Request:
  - endpoint: /events/:id
  - method="**DELETE**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - Raw -> application/json

```
{
    "id" : #
}
```

- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response

```
{
    "status": true/false,
    "message": "response info"
}
```

2.4 events/:id

- Description: get a specific event by id
- Request:
  - endpoint: /events/:id
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(object)* **event**: event details

{ "event" : [
{ "status": true/false,
"message": "response info",
"Name" : "...",
"Description" : "...",
"AgeRestriction" : #,
"UserId" : #,
"CategoryId" : #,
"LocationId" : #,
"Image" : RAW,
"LocationName": "...",
"CategoryName": "...",
"Longitude": #,
"Latitude": #,
"StartDate" : date,
"StartTime" : time,

“EndTime” : time }],
“status”: true/false,
“message”: “...”
}

2.5 events/filter/:id

- Description: get all events by category id
- Request:
  - endpoint: /events/filter/:id
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(object array)* **data**: array of events and their info
    { "data" : [{event details}, {event details}, {event details}],
    "status": true/false,
    }

3.1 messages/send

- Description: insert record in Message table that keeps track of messages between user and event
- Request:
  - endpoint: /messages/send
  - method="**POST**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body
    - Raw -> application/json

```
{
    "SenderUserId" : #,
    "ReceiverEventId": #,
     "Message": #
}
```

- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response

```
{
    "status": true/false,
    "message": "response info"
}
```

3.1 messages/:EventId

- Description: get all messages for a specific event.
- Request:
  - endpoint: /messages/:EventId
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - (object array) data: array of messages

```
{
        "status": true/false,
        "message": "response info",
        "data": [{
                "Message": "...",
                "TimeStamp": time
            }]
 }
```

4.1 maps/log

- Description: log location and internet speed for wifiMap
- Request:
  - endpoint: /maps/log
  - method="**POST**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body

```
{
    "Long": #,
    "Lat": #,
    "ResponseTime": #
}
```

- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response

```
{
    "status": true/false,
    "message": "response info",
}
```

4.2 maps/log

- Description: get all logs for WifiMap
- Request:
  - endpoint: /maps/log
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(object array)* **data**: array of logs

```
{
        "status": true/false,
        "message": "response info",
        "data": [{
                "Long": #,
                "Lat": #,
                "ResponseTime": #
            }]
 }
```

4.2 maps/log/:Limit

- Description: get limited amount of logs for WifiMap
- Request:
  - endpoint: /maps/log/:Limit
    - :Limit *(int)*
  - method="**GET**"
  - Headers

Key	Value
Authorization	"USER_TOKEN"
Content-Type	application/json

  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - *(object array)* **data**: array of logs with a max size of *:Limit*

{
"status": true/false,
"message": "response info",
"data": [{
"Long": #,
"Lat": #,
"ResponseTime": #
}]
}

5.1 categories/

- Description: get all categories
- Request:
  - endpoint: /categories/
  - method="**GET**"
  - Headers (none)
  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - (object array) data: array of categories

```
{
        "status": true/false,
        "message": "response info",
        "data": [{
                "id": #,
                "Name": "..."
            }]
 }
```

6.1 categories/

- Description: get all locations
- Request:
  - endpoint: /locations/
  - method="**GET**"
  - Headers (none)
  - Body (none)
- Response:
  - *(bool)* **status**: successful insertion*(true == yes, false == no)*
  - *(string)* **message**: information about your response
  - (object array) data: array of locations

{

"status": true/false,

"message": "response info",

"data": [{

"id": #,

"Name": "...",

"Longitude": #,

"Latitude": #

}]

}