**Kwame Nkrumah University of Science and Technology** - **Computer Engineering Department**

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COE 356 – Introduction to Software Engineering Project

Backend API Documentation | By TECHNIK



The backend is hosted on Microsoft Azure© at http://eventhubbackend.azurewebsites.net

The tables below describe the various endpoints and the parameters needed to connect and make requests.

* Sign-up

Registers a new user with the data provided and returns the user’s auto-generated id and access token. The returned access token must be added to the headers of all requests that require authentication

|  |  |
| --- | --- |
| **Method** | *POST* |
| **Route** | http://eventhubbackend.azurewebsites.net/signup |
| **Data** | {  Username,  Password,  Email,  First\_name,  Last\_name,  Number  } |

* Login

Registered users in the database (through the signup process) can login with their credentials to obtain access to the app. These details are used to authenticate the user on subsequent requests.

|  |  |
| --- | --- |
| **Method** | *POST* |
| **Route** | http://eventhubbackend.azurewebsites.net/signup |
| **Data** | {  Username,  Password  } |

* Show all events

*Authentication required*

Returns a list of all events in the database showing some information about the events. i.e The event name, logo, date and time. Events are ordered according to time of creation. So newer events appear on top.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/events |
| **Return** | {  Event\_id,  Event\_name,  Main\_image,  Event\_date  } |

* Get all usernames in the database.

Returns a list of all the usernames of registered users to check availability of a username during signup.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/signup |
| **Return** | {  Username} |

* Subscribe to categories

When a user signs up, he subscribes to certain categories of his interest. These categories are used to filter events based on these interested categories.

|  |  |
| --- | --- |
| **Method** | *POST* |
| **Route** | http://eventhubbackend.azurewebsites.net/usercategorysubscription |
| **Data** | {  Username,  Categoryid  } |

* Get events detailed information.

*Authentication required*

Returns a more detailed information on a single event whose event id is specified in a route.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/events/{eventid} |
| **Return** | {  Event\_id,  Event\_name,  Event\_date,  Main\_image,  Location\_name,  Latitude,  Longitude,  Phone\_number  } |

{*eventid*} in the route should be replaced with the id of the event. 404 will be returned if the event is not found.

* Filter event by category.

*Authentication required*

Filter the events displayed on the timeline by their respective categories. Eg group and show only sports or business events.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/events/filter/{categoryid} |
| **Return** | {  Event\_id,  Event\_name,  Main\_image,  Event\_Date  } |

* Like an event

*Authentication required*

Route for liking an event. When the like button next to an event is touched. That user likes the event thereby increase the number of likes for that event and adds that event to the user’s “interested” section.

|  |  |
| --- | --- |
| **Method** | *POST* |
| **Route** | http://eventhubbackend.azurewebsites.net/events/{eventid}/like |
| **Data** | {  Username,  Event\_id  } |

* Unlike/dislike an event

*Authentication required*

Dislikes/un-likes an event i.e. when a liked event has been touched. Decreases its number of likes and removes that event from the user’s interested section.

|  |  |
| --- | --- |
| **Method** | *PUT /PATCH* |
| **Route** | http://eventhubbackend.azurewebsites.net/events/{eventid}/unlike |
| **Data** | {  username,  event\_id  } |

* Attend an event.

*Authentication required*

Allows a user to specify an event which he is or would like to attend. It increases the respective number of attending users and places that event in a list under that user’s attending tab.

|  |  |
| --- | --- |
| **Method** | *PUT/PATCH* |
| **Route** | http://eventhubbackend.azurewebsites.net/events/{eventid}/attend |
| **Data** | {  Username,  Event\_id  } |

* Un-attend an event

*Authentication required*

A user “un-attends” an event which he had set to attend. It decreases the respective number of attending users and that event can no longer be found in the user’s attending list.

|  |  |
| --- | --- |
| **Method** | *PUT/PATCH* |
| **Route** | http://eventhubbackend.azurewebsites.net/events/{eventid}/unattend |
| **Data** | {  Username,  Event\_id  } |

* Create an event

*Authentication required*

When a user signs up, he subscribes to certain categories of his interest. These categories are sent to the database and stored and are used to filter events based on these interested categories.

|  |  |
| --- | --- |
| **Method** | *POST* |
| **Route** | <http://eventhubbackend.azurewebsites.net/create-event> |
| **Data** | {  Event\_name,  Category\_id  Main\_image,  Event\_Date,  User\_name,  Description,  Location\_name,  Latitude,  Longitude  } |

* Edit Event

*Authentication Required*

Allows a user to edit the details of an event he has created. Such as the venue.

|  |  |
| --- | --- |
| **Method** | *PUT* |
| **Route** | http://eventhubbackend.azurewebsites.net/my-events/{username}/{eventid}/edit |
| **Data** | {  Event\_name,  Category\_id  Main\_image,  Event\_Date,  User\_name,  Description,  Location\_name,  Latitude,  Longitude  } |

* Delete Event

*Authentication required*

Allows a user to delete an event he has created.

|  |  |
| --- | --- |
| **Method** | *DELETE* |
| **Route** | http://eventhubbackend.azurewebsites.net/my-events/{username}/{eventid}/delete |
| **Data** | {  Username,  Event\_id  } |

* Show Created Events

*Authentication required*

Shows all events user has created in a chronological order.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/my-events/{username} |
| **Return** | {  Event\_id,  Event\_name,  Main\_image,  Event\_Date  } |

* Show Interested Events

*Authentication required*

Show all events a user has liked.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/my-interested/{username} |
| **Return** | {  Event\_id,  Event\_name,  Main\_Image,  Event\_Date,  } |

* Show Attending Events

*Authentication required*

Show all events a user is attending. (The events found under the attending tab)

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/my-attending/{username} |
| **Return** | {  Event\_id,  Event\_name,  Main\_Image,  Event\_Date,  } |

* Show Subscribed Events

*Authentication required*

Show all events in the database based on the categories the user has subscribed to.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/my-event-subscriptions/{username} |
| **Return** | {  Event\_id,  Event\_name,  Main\_Image,  Event\_Date,  } |

* Show Notifications

*Authentication required*

Shows notifications on events the user has “liked” and “attended” such as the number of days left to the event.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/notifications/{username} |
| **Return** | {  Event\_id,  Event\_name,  Main\_Image,  Time\_left  } |

* Search

*Authentication required*

Search for an event in the database.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/search?searchquery={value} |
| **Return** | {  Event\_id  Event\_name  Event\_Date  Main\_Image  } |

* Show subscribed categories.

*Authentication required*

Show the categories the user subscribed to after creating the account.

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net/settings/user-category/:username |
| **Return** | {  Category\_name,  Category\_id  } |

* Add a new subscription

*Authentication required*.

Allows the users, in his /her settings, to add another category to his subscriptions

|  |  |
| --- | --- |
| **Method** | *PUT/PATCH* |
| **Route** | http://eventhubbackend.azurewebsites.net//settings/add-category/:username/:category-name |
| **Data** | {  Username  Category\_id  } |

* Remove a category subscription

*Authentication required*

Un-subscribes a certain category from a user’s account. The user will no longer receive events based on these categories from his subscription tab.

|  |  |
| --- | --- |
| **Method** | *PUT/PATCH* |
| **Route** | http://eventhubbackend.azurewebsites.net//settings/add-category/:username/:category-name |
| **Data** | {  Username  Category\_id  } |

* Edit Profile

*Authentication required*

A user “un-attends” an event which he had set to attend. It decreases the respective number of attending users and that event can no longer be found in the user’s attending list.

|  |  |
| --- | --- |
| **Method** | *PUT/PATCH* |
| **Route** | http://eventhubbackend.azurewebsites.net/settings/settings/edit-profile/:username |
| **Data** | {First\_Name,  Last\_name,  Username,  Email,  Phone\_number  } |

* Delete account

*Authentication required*

Authenticated user must be the same as the one whose info is being deleted.

Deleted account no longer has access to the app.

|  |  |
| --- | --- |
| **Method** | *DELETE* |
| **Route** | http://eventhubbackend.azurewebsites.net/notifications/{username} |
| **Data** | {  Username  } |

* Get User Details

*Authentication required*

Show all details of currently signed in user

|  |  |
| --- | --- |
| **Method** | *GET* |
| **Route** | http://eventhubbackend.azurewebsites.net /get-user-details/:username |
| **Return** | {  Username  First\_name  Last\_name  Email,  Phone\_number  } |