USERS MICROSERVICE

To be completed: Quetes, Bouters, Security (Authoritization) + Boles (Authorization), 18

Registration

GET/Token (i.e login, logout endpoints)

USERS

User.py Post method that utilizes hash password function, security regarding users def db_create_user

Put method

def update_user Delete method (protected endpoint)

def delete user

der dente_user
Authenticator.py [or something with login/logout]
der login_user

def logout_user

User.py

@router.past @router.put @router.delete

Authenticator.py [login/logout]

@router.get @router.delete

3 paths being: (a) Create Account -> Logged in, (b) Log in, (c) Logout

au. User is creating an account (with unique email and username combo) and will be logged in following account creation

Create account and user chooses role (FOST /users) -> Login to user's created — account (ALDGRI), -> (BET /Tolein) with role credentals) -> User Session (user ——logged in and has access to protected endpoints allowed by role

- [User Data] Create account allows one to input username, email, first name, last name, password, profile photo, about me section ("user description"), profile photo (upload profile photo)

Ensure that user info being entered fulfilis: (1) no duplicate accounts. (ensure no same combs of username and emails, (2) email is valid. ((i) Password being posted by user is hashed [Suggested: [WTS, CAuth, Auth/12]

Unsuccessful Attempts (status code 4227)

- bad create account attempts -> tells user that x' is wrong
(a) use inputs data that is present with another user

- data that would present errors same username and uses email
(b) invalid username, invalid first or last, invalid email

User has previously created account and want to log in to use app

user-password and user-username is correct GET Ablain Create user token, session

Ensure protected endpoints given logged in user and correct role

Uneuccessful Attempts (status code 4009)
(b) invalid username and invalid password
- bad login attempt - stell user there is no user with 'x' username, 'y' password
- 'user with (s) username not found'
- 'password and username combo does not match'

Sign out [DELETE TOKEN and END SESSION]

Roles

Admin, Volunteer, Organizer Ads, Open ID Connect, OAuth, AuthV2

nin: The admin role has full access and control over the application. They can manage users, create, update, and delete events, and have access to all features and functionalities.

Upload Profile Photos Local Stack https://github.com/localstack/localstack

Svelte Kit 53

https://rodneylab.com/aveltekit-s3-compatible-storage/

Communication between Users

Websockets (7) or just Pub/Sub to a Communication

Channel

- Manage Users

DELETE Assers/(username), (email) PUT /users/(username), (email)

Analytics Endpoint
 Matplotlib or some sort of Analysis

middleware/framework

- Admin Tasks [Protected Endpoint] - [(MS) Users -> Tasks]

- CRUD Events (Full Suite)

- Communicate with admins, organizers, volunteers

Access to other features (not complete)

- Tasks ((MS) Users -> Tasks)

- Access Task Lists [GET]
- Mark as Complete [PUT /tasks/(task_id), /tasklists/(tasklist_id)

- RSVP/Favorite [(MS) Users -> Events]

can manage tasks, view RSVPs, and communicate with volunteers. However, they do not have administrative privileges such as user management.

- CRUD Events (Full Suite)

Management of Tasks, View Rsvps, Communication

- Communicate with organizers, volunteers

Access to other features

- Tasks [(MS) Users -> Tasks]
- Access Task Lists [GET]
- Mark as Complete [PUT /tasks/(task_id), /tasklists/(tasklist_id)

RSVP/Favorite [(MS) Users -> Events] View Event Details [(MS) Users -> Events]

Volunteer: Volunteers can RSVP for events, view event details, and access task lists. They can mark tasks as complete and communicate with organizers or other volunteers. Volunteers have limited access compared to admins and organizers.

Access to other features
- Tasks [(MS) Users -> Tasks]
- Access Task Lists [GET]
- Mark as Complete [PUT /tasks/task_idtj, /tasklists/(tasklist_idt)
- RSVP/Favorite ((MS) Users -> Events]
- View Event Details [(MS) Users -> Events]

GROUPS

thod that utilizes hash password function, security regarding users def db_create_group

Put method

def update_group

- assign users to groups

Delete method (protected endpoint) def delete group

Routers

Group.py

PUT /groups

oups/(group_id)/users group.users.append() (user1, user2, ...)

Assign Tasklist to a group

Either assign group to an event or group.tasklist.event relationship