

# Backend Documentation

## How to start and run our back-end:

```
`python3 -m venv venv`  
source venv/bin/activate  
pip3 install -r requirements.txt  
flask init-db  
flask --debug run`
```

## Sessions

Sessions will be added in future sprints as a way for logged in users to access their profile and use the system. This has now been implemented

## Methods

### **get\_db()**

Params: None

Return: g.db (the database)

### **close\_db()**

Params: e=None

Return: Nothing (closes database)

### **init\_db()**

Params: None

Return: Nothing (initializes the database)

### **init\_db\_command()**

Params: None

Return: Nothing (clears existing data and sets up database)

### **init\_app(app)**

Params: app

Return: Nothing (registers database handling functions with the app)

### **\_\_init\_\_()**

Params: self, groupID, name, activity

Return: Nothing (initializes the group)

### **search()**

Params: self, groups, activity

Return: group (the groups that match the searched activity)

### **route()**

Params: None

Return: returns "Hi" (just a test route)

### **example()**

Params: None

Return: {'messages': list(map(dict, messages))}

### **login()**

Params: None

Return: returns redirect('/')

### **logout()**

Params: None

Return: returns redirect('/')

### **register()**

Params: None

Return: returns redirect('/register')

### **Create\_Group()**

Params: None

Return: None

### **\_\_init\_\_()**

Params: self, firstName, lastName, email, password, address

Return: Nothing (initializes a user)

### **getFirstName()**

Params: self

Return: self.firstname

### **getLastName()**

Params: self

Return: self.lastname

### **getEmail()**

Params: self

Return: self.email

### **getPassword()**

Params: self

Return: self.password

### **getAddress()**

Params: self

Return: self.address

### **loginUser()**

Params: email, password, db

Return: User(firstName, lastName, email, password, address

### **logoutUser()**

Params: email, db

Return: None

### **registerUser()**

Params: firstName, lastName, email, password, address, db

Return: new\_usr

### **account\_information()**

Params:

Returns: {'messages': info}

### **join\_group()**

Params:

Returns: None

### **edit\_account()**

Params:

Returns: temp

### **account\_info\_authentication()**

Params: None

Returns: temp

### **group\_info()**

Params: group\_id

Returns: jsonify(group)

### **contact\_us()**

Params:

Returns: {'messages':1}

### Endpoint Documentation:

“/” - Homepage

“/home” - Home

“/example” - Example Page

“/Create\_Group” - Create Group

“/search” - Search

“/register” - Register

“/login” - Login

“/Chat” - Chat

“/Chat2” - Chat2

“/account\_information” - Account Info

“/join\_group” - Join Group

“/view\_group/:groupID” - View Group

“/faq” - FAQ

“/edit\_info” - Edit Info

“/account\_info\_authentication” - Account Info Authentication

“/contact\_us” - Contact Us

“/about” - About Us