

Authorization

1- In order to authorize a user, make a request to the url related to the token(It is mentioned in next pages)

2- After receiving the token, put this (key, value) pair in the header of the request :

key : Authorization

value : Token <received token>

** Authorization is not needed for urls with permissions of allowAny.*

Base url : <https://ecg-information.herokuapp.com/>

1- Create new user

Endpoint : api/post-user ,

Method : POST ,

Permission : allowAny ,

body of request (json): {

```
    "username" : ".....",  
    "fullname" : ".....",  
    "password" : ".....",  
}
```

** username => username must be the national id of the user*

** password => password length must be 5 or more*

Response (if successful) :

- status : 201

- body : {

```
    "username" : ".....",  
    "fullname" : ".....",  
}
```

2- Get user's token and role(patient, doctor or nurse)

Endpoint : api/token ,

Method : POST ,

Permission : allowAny ,

body of request (form-data): {

 "username" : ".....",

 "password" : ".....",

}

** username => username of a user*

** password => password of a user*

Response (if successful) :

- status : 200

- body : {

 "token" : ".....",

 "user_role" : ".....",

}

** token => in order to make request to urls that need special permissions, users must add token to the header of the request(more info in **Authorization** part)*

** user_role => user's role can be three items : doctor, nurse or patient. This can be used as a flag for the developer*

3- Get/Post/Update/Delete informations of patients

Base Endpoint : api/patient/info ,

Method : GET/POST/PUT/PATCH/DELETE ,

Permission : allowNurse ,

- Post request :

endpoint : api/patient/info

body of request (json): {

 "fullname" : ".....",

 (other fields)

}

** fullname => fullname length at most 100 characters*

Response (if successful) :

- status : 201

- body : {

 "id" : ".....",

 (other fields)

}

- Get request :

1- Simple Get request

endpoint : api/patient/info

Response (if successful) :

- status : 200

- body : [

 {.....(patient information)},

 {.....(patient information)},]

2- Search Get request

endpoint : api/patient/info/?search=<vip>

search_fields = fullname , national_id , gender

**<vip> can have a value of one of the 3 above fields in order to search between informations of patients.*

Response (if successful) :

- status : 200
- body : [
 - {.....(patient information)},
 - {.....(patient information)},]

3- Partial Get request

endpoint : api/patient/info/?fields=<field1>,<field2>,....

Response (if successful) :

- status : 200
- body : [
 - {.....(patient information including requested fields)},
 - {.....(patient information including requested fields)},]

4- Partial Get request for special patient

endpoint : api/patient/info/<id of patient>/?
fields=<field1>,<field2>,....

Response (if successful) :

- status : 200
- body :
 - {.....(patient information including requested fields)}

- Put request :

endpoint : api/patient/info/<id of patient>

body of request (json): {
.....(all fields related to patient's information)
}

Response (if successful) :

- status : 200
- body : {
 - "id" : ".....",
 -(other fields)}

- Patch request :

endpoint : api/patient/info/<id of patient>

body of request (json): {
.....(only fields that you want to update)
}

** when using patch request, mind the dependent fields.*

** if you wanted to update a field that has dependent fields, all other dependent fields*

** must also be included in the body of request*

** for example if you wanted to update gender value, you must include*

** menopausal_condition, irregular_menopausal and birth_giving values in the body of*

** request since these 3 fields are dependent to gender.*

Response (if successful) :

- status : 201

- body : {
 "id" : ".....",
 (other fields)
}

- Delete request :

endpoint : api/patient/info/<id of patient>

Response (if successful) :

- status : 200

4- Get all Doctors

Endpoint : api/doctors/ ,

Method : GET ,

Permission : allowNurse ,

Response (if successful) :

- status : 200

- body : [

{.....(doctor information including id, fullname, national_id)},

{.....(doctor information including id, fullname, national_id)},]

5- Send ECG file of a patient

Endpoint : api/patient/ecg/ ,

Method : POST ,

Permission : allowNurse ,

body of request (form-data): {

```
    "patient" : <patient_id>,  
    "ecg" : <patient_ecg_file>,  
    "doctor" : <doctor_id>,  
    "doctor" : <doctor_id>,  
    .....  
}
```

** Note that patient_id or doctor_id refers to the their id in the database which you can get with get request (so it is not national id)*

** ecg=> file must be sent in a format of .txt , otherwise you receive an error. The maximum size of the file is also 2621440 bytes(it can be changed if needed)*

** As you can see, you can send ecg of a patient to multiple doctors if needed. Just add the id of that doctor in the body of request.*

Response (if successful) :

- status : 201

- body : {

```
    .....(ecg file information and doctor ids)  
}
```