Food Planner Backend API Documentation

- Show All Patients
- Find patient by ID
- Create new patient
- Update patient by ID
- Delete patient by ID
- Patient Login

Show All Patients

Returns json data for all patients

- **URL**

  /api/patients/

- **Method:**

  `GET`

- **URL Params**

None

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200 **Content:**

  ```
  [
      {
          "id": 1,
          "firstName": "John",
          "lastName": "Doe",
          "email": "johndoe@test.com",
          "userName": "test",
          "password": "test",
          "allergies": null,
          "conditions": null,
          "patientId": "2629194"
      },
      {
          "id": 2,
          "firstName": "Luis FHIR",
          "lastName": "Madrid",
          "email": "luisfhirmadrid@test.com",
          "userName": "luisfhirmadrid",
          "password": "password",
          "allergies": null,
          "conditions": null,
          "patientId": "2638050"
      }
  ]
  ```

- **Error Response:**

  - **Code:** 404 NOT FOUND

- **Sample Call:**

```
GET //newfoodplanner2backend/api/patients HTTP/1.1
Host: Http:
User-Agent: PostmanRuntime/7.19.0
Accept: */*
Cache-Control: no-cache
Postman-Token: d2cf4c3c-59a6-417e-9cfa-e04485b8783e,09b7d160-cd72-4498-a559-c2bf4ab38650
Host: localhost:8080
Accept-Encoding: gzip, deflate
Connection: keep-alive
cache-control: no-cache
```

Find patient by ID

Returns json data for a patient by ID

- **URL**

  /api/patients/:id

- **Method:**

  `GET`

- **URL Params**

  Required:

  `id=[integer]`

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200 **Content:**

    ```
    {
        "id": 1,
        "firstName": "test2",
        "lastName": "test2",
        "email": "test2@test.com",
        "userName": "test",
        "password": "test2",
        "allergies": [
            "Allergy to eggs",
            "Ibuprofen"
        ],
        "conditions": [
            "depression",
            "hypertension",
            "diabetes",
            "asthma",
            "angina",
            "onychomycosis",
            "high cholesterol",
            "GERD",
            "rheumatoid arthritis",
    ```

```
        "neuropathic pain"
    ],
    "patientId": "2629194"
}
```

- **Error Response:**

  - **Code:** 404 NOT FOUND **Content:**

  ```
  {
      "timestamp": "2019-11-18T02:10:47.324+0000",
      "message": "Patient not found: 9",
      "details": "uri=/api/patients/9"
  }
  ```

  OR

  - **Code:** 401 UNAUTHORIZED **Content:** { error : "You are unauthorized to make this request." }

- **Sample Call:**

```
GET /newfoodplanner2backend/api/patients/1 HTTP/1.1
Host: apps.hdap.gatech.edu
Content-Type: application/json
User-Agent: PostmanRuntime/7.19.0
Accept: */*
Cache-Control: no-cache
Postman-Token: 0fe51b90-e709-4dc7-8810-be95183b65f3,c68b8388-6f56-4363-b665-347ad242a460
Host: apps.hdap.gatech.edu
Accept-Encoding: gzip, deflate
Connection: keep-alive
cache-control: no-cache
```

Create new patient

Create a new patient, and returns its json data.

- **URL**

  /api/patients

- **Method:**

  POST

- **URL Params**

- **Data Params**

  Required:

  firstname=[alphanumeric] lastname=[alphanumeric] email=[alphanumeric] username=[alphanumeric] password=[alphanumeric]

  Optional:

  None

- **Success Response:**

  - **Code:** 200 **Content:**

```
{
    "id": 3,
    "firstName": "test2",
    "lastName": "test2",
    "email": "test2@test.com",
    "userName": "test2",
    "password": "test2"
}
```

- **Error Response:**

  - **Code:** 404 NOT FOUND **Content:**

    ```
    {
        "timestamp": "2019-11-16T22:15:36.515+0000",
        "message": "Required request body is missing: public backend.model.Patient backend.control
        "details": "uri=/api/patients"
    }
    ```

  OR

  - **Code:** 401 UNAUTHORIZED **Content:** { error : "You are unauthorized to make this request." }

- **Sample Call:**

  ```
  POST //newfoodplanner2backend:8080/api/patients HTTP/1.1
  Host: Http:
  Content-Type: application/json
  User-Agent: PostmanRuntime/7.19.0
  Accept: */*
  Cache-Control: no-cache
  Postman-Token: 791822f4-4579-4df0-90f2-1d4b152e6c0d,49591e45-9b81-46a0-82ff-3e1b3f3ea46d
  Host: localhost:8080
  Accept-Encoding: gzip, deflate
  Content-Length: 203
  Connection: keep-alive
  cache-control: no-cache

  {
      "firstName": "test2",
      "lastName": "test2",
      "email": "test2@test.com",
      "userName": "test3",
      "password": "test3"
  }
  ```

Update patient by ID

Returns json data for a patient by ID

- **URL**

  /api/patients/:id

- **Method:**

  PUT

- **URL Params**

- **Data Params**

  Required:

  firstname=[alphanumeric] lastname=[alphanumeric] email=[alphanumeric] username=[alphanumeric] password=[alphanumeric]

  Optional:

  None

- **Success Response:**

- **Code:** 200 **Content:**

```
{
    "id": 2,
    "firstName": "test2",
    "lastName": "test2",
    "email": "test2@test.com",
    "userName": "emilywatson",
    "password": "test2"
}
```

- **Error Response:**

- **Code:** 404 NOT FOUND **Content:**

```
{
    "timestamp": "2019-11-16T22:25:18.708+0000",
    "message": "Patient not found: 10",
    "details": "uri=/api/patients/10"
}
```

OR

- **Code:** 401 UNAUTHORIZED **Content:** { error : "You are unauthorized to make this request." }

- **Sample Call:**

```
PUT /newfoodplanner2backend/api/patients/2 HTTP/1.1
Host: apps.hdap.gatech.edu
Content-Type: application/json
User-Agent: PostmanRuntime/7.19.0
Accept: */*
Cache-Control: no-cache
Postman-Token: f380f51a-dcea-4c8d-be9e-22bbf992a665,a90a5cbd-075e-41f6-af3b-cced693b9c3b
Host: apps.hdap.gatech.edu
Accept-Encoding: gzip, deflate
Content-Length: 203
Connection: keep-alive
cache-control: no-cache

{
    "firstName": "test2",
    "lastName": "test2",
    "email": "test2@test.com",
    "userName": "test2",
    "password": "test2",
    "allergies": "coconut",
```

```
    "conditions": "Abdominal Adhesions"
    }
```

Delete patient by ID

Delete a patient by ID

- **URL**

  /api/patients/:id

- **Method:**

  DELETE

- **URL Params**

- **Data Params**

  Required:

  id=[integer]

- **Success Response:**

- **Code:** 200 **Content:**

  ```
    {
    "id": 1,
    "firstName": "test2",
    "lastName": "test2",
    "email": "test2@test.com",
    "userName": "test",
    "password": "test2",
    "allergies": "coconut",
    "conditions": "Abdominal Adhesions"
    }
  ```

- **Error Response:**

- **Code:** 404 NOT FOUND **Content:**

  ```
    {
      "timestamp": "2019-11-16T22:25:18.708+0000",
      "message": "Patient not found: 1",
      "details": "uri=/api/patients/1"
    }
  ```

OR

- **Code:** 401 UNAUTHORIZED **Content:** { error : "You are unauthorized to make this request." }

- **Sample Call:**

  ```
  PUT //localhost:8080/api/patients/1 HTTP/1.1
  Host: Http:
  Content-Type: application/json
  User-Agent: PostmanRuntime/7.19.0
  Accept: */*
  Cache-Control: no-cache
  Postman-Token: e102f49e-46e2-452c-9276-b13cfc09e97f,31915ab9-5147-4e1d-8cef-1e47ac50fe26
  Host: localhost:8080
  ```

```
Accept-Encoding: gzip, deflate
Content-Length: 203
Connection: keep-alive
cache-control: no-cache

{
    "firstName": "test2",
    "lastName": "test2",
    "email": "test2@test.com",
    "userName": "test2",
    "password": "test2",
    "allergies": "coconut",
    "conditions": "Abdominal Adhesions"
}
```

Patient Login

```
Login in as a patient.
```

- **URL**

  /api/login

- **Method:**

  ```
  POST
  ```

- **URL Params**

- **Data Params**

  Required:

  ```
  userName=[alphanumeric] password=[alphanumeric]
  ```

- **Success Response:**

- **Code:** 200 **Content:**

  ```
  {
      "id": 1,
      "firstName": "John",
      "lastName": "Doe",
      "email": "johndoe@test.com",
      "userName": "test",
      "password": "test",
      "allergies": "shrimp",
      "conditions": "heartburn"
  }
  ```

- **Error Response:**

- **Code:** 404 NOT FOUND **Content:**

  ```
  {
      "timestamp": "2019-11-16T22:38:48.566+0000",
      "message": "Patient not found: test1",
      "details": "uri=/api/login"
  }
  ```

OR

- **Code:** 401 UNAUTHORIZED **Content:** { error : "You are unauthorized to make this request." }

- **Sample Call:**

```
POST /newfoodplanner2backend/api/login HTTP/1.1
Host: apps.hdap.gatech.edu
Content-Type: application/json
User-Agent: PostmanRuntime/7.19.0
Accept: */*
Cache-Control: no-cache
Postman-Token: ed3d2d62-b52f-4db7-b3dc-529cb416ea64,6a0d8749-fe01-4a1f-96a6-15f0cdcfbd20
Host: apps.hdap.gatech.edu
Accept-Encoding: gzip, deflate
Content-Length: 50
Connection: keep-alive
cache-control: no-cache

{
  "userName": "test",
  "password": "test"
}
```