**API Specification Doc**

**(*Patient - eHospital Solutions*)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 23-Oct-2017 | Jibran | Initial draft |

## Index

1. Patient

[1. login](#_bit7idv2ancx)

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

[2.](#_9t094e45sg90) Add Patient

[Request](#_38pypefkb82)

[Response](#_47awg09ehquu)

[3.](#_9mc75gzfq3m3) Delete

[Request](#_xtszbus9yomc)

[Response](#_xuhh3y4ufz7)

[4.](#_p8sbwmpv82e8) Update

[Request](#_iaps2dh7l2m2)

[Response](#_fvf6lulvf6wv)

[5. login](#_bit7idv2ancx)

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

[6.](#_9t094e45sg90) Add Patient

[Request](#_38pypefkb82)

[Response](#_47awg09ehquu)

[7.](#_9mc75gzfq3m3) Delete

[Request](#_xtszbus9yomc)

[Response](#_xuhh3y4ufz7)

[8.](#_p8sbwmpv82e8) Update

[Request](#_iaps2dh7l2m2)

[Response](#_fvf6lulvf6wv)

[Conventions](#_uk42zio712fb)

[Status Codes](#_of6ke88xwee4)

Methods

Patient

## 1. Login

Authenticate the user with the system and obtain the auth\_token

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/login/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | api\_key  username  password | string  string  string |

**api\_key**

api\_key must be sent with all client requests. The api\_key helps the server to validate the request source.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "auth\_key": <auth\_key>  }  auth\_key (**string**) - all further API calls must have this key in header |
| 403 | {"error":"API key is missing."} |
| 400 | {"error":"Please provide username."} |
| 400 | {"error":"Please provide password."} |
| 401 | {"error":"Invalid API key."} |
| 401 | {"error":"Incorrect username or password."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 2. Add Patient

Add the new patient

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/add/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST  POST  POST  POST  POST  POST | auth\_key  user\_id  name  dateofbirth  gender  contactnum  address  email | String  String  String  DatePicker  String  Number  String  String |

**auth\_key**

The auth\_key that was given in response to /api/login

**User\_id**

The user number of internal patient database. Each time when a patient is added, a new user-id is generated which is incremented from last addition in the database.

## 

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be a patient profile, updated in the database.**  **Each user in the patient database array has the following structure.**  {  "user\_id": “PT-01”,  "name": {  “FirstName”: “Jibran”,  “LastName”: “Yousuf”,  },  "dateofbirth": “06/06/1995”  "gender": “male”,  "contactnum": “03362622720”  "address": "Federal B Area"  "email": "jibran.ubit@gmail.com"  } |
| 400 | {"error":"Please specify user-id."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid API key."} |
| 402 | {"error":"Provide First Name."} |
| 402 | {"error":"Provide Last Name."} |
| 403 | {"error":"Provide Date Of Birth."} |
| 404 | {"error":"Provide Mandatory “\*” fields"} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 

## 3. Delete

Get the recipes that were deleted from the web interface, so that they can be deleted from the internal database also.

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/deletions/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | auth\_key  name  id | String  string  string |

**Name**

The name of the patient fused with the user-id that will delete the patient details and the database will be decremented

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An array containing the patient’s data in the database**  Example response:-  {"deletions":[10,11,40], "user-id":"1"} |
| 400 | {"error":"Please input user-id."} |
| 400 | {"error":"Invalid name."} |
| 401 | {"error":"Invalid Auth key."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 4. Update

Get more information on a particular recipe

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api/user\_id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  URL\_PARAM | auth\_key  <user\_id> | String  string |

**User\_id**

Id of the patient, who is currently signed in.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An array containing the id’s information is displayed with options to update.**  Example response:-  {"user\_id":"PT-01"} |
| 400 | {"error":"Please provide user\_id."} |
| 400 | {"error":"Invalid user\_id."} |
| 401 | {"error":"Invalid Auth key."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

Hospital

## 1. Login

Authenticate the user with the system and obtain the auth\_token

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/login/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | api\_key  username  password | String  string  string |

**api\_key**

api\_key must be sent with all client requests. The api\_key helps the server to validate the request source.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "auth\_key": <auth\_key>  }  auth\_key (**string**) - all further API calls must have this key in header |
| 403 | {"error":"API key is missing."} |
| 400 | {"error":"Please provide username."} |
| 400 | {"error":"Please provide password."} |
| 401 | {"error":"Invalid API key."} |
| 401 | {"error":"Incorrect username or password."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 2. Get

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/get?q=user\_id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | auth\_key  user\_id  name | String  String  String |

**User\_id**

The user number of internal patient database. This user\_id returns with all the data associated with this.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be patient profile being displayed having following structure**  {  "user\_id": “PT-01”,  "name": {  “FirstName”: “Jibran”,  “LastName”: “Yousuf”,  },  "dateofbirth": “06/06/1995”  "gender": “male”,  "contactnum": “03362622720”  "address": "Federal B Area"  "email": "jibran.ubit@gmail.com"  } |
| 400 | {"error":"Please specify user-id."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid API key."} |
| 404 | {"error":"Provide Mandatory “\*” fields"} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 2. Get All

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/get?q=user\_id+all |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | auth\_key  user\_id  name | String  String  String |

**User\_id**

The user number of internal patient database. This user\_id returns with all the data associated with this.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be all patient profiles being displayed having following structure in tabular form**  {  "user\_id": “PT-01”,  "name": {  “FirstName”: “Jibran”,  “LastName”: “Yousuf”,  },  "dateofbirth": “06/06/1995”  "gender": “male”,  "contactnum": “03362622720”  "address": "Federal B Area"  "email": "jibran.ubit@gmail.com"  } |
| 400 | {"error":"Please specify user-id."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid API key."} |
| 404 | {"error":"Provide Mandatory “\*” fields"} |
| 500 | {"error":"Something went wrong. Please try again later."} |

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.
* All request parameters are mandatory unless explicitly marked as [optional]
* The type of values accepted for a *request* parameter are shown the the values column like this [**10**|<any number>] .The | symbol means *OR*. If the parameter is [optional], the default value is shown in blue bold text, as **10** is written in [**10**|<any number>].

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |