***API SPECIFICAITON DOCUMENT***

**Hospital Management System**

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# LOGIN

## Request

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

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST  POST | username  password | string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "token": string  } |
| 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."} |

# SIGN UP

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /accounts/signup/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| Head  POST  POST | x-access-token  username  password | string  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An JSON containing the username and password and role**  Example response:-  {"id":1,"username":"Admin","password":"admin","role":1} |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

# Doctor’s Table Data

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /doctors |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| Head | x-access-token | string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An JSON containing all doctor’s table data** |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

# Doctor’s Search request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET**  **GET** | /doctors/byid/:id  /doctors/byname/:name |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| Head  Head  Head | x-access-token  id  name | string  integer  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An JSON containing all doctor’s table data with respect to id or name** |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 401 | {"error":"Invalid name."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## Doctor’s Data Insert Request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /doctors |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST  POST  POST  ………… | x-access-token  id  firstname  lastname  email | string  integer  string  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An request body with of doctor to insert data**  Example response:-  {"id":1, "firstname":"IAD" ………} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## Doctor’s Data Update Request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **PATCH** | /doctors/update/id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  HEAD  POST  POST  POST  ………… | x-access-token  id  firstname  lastname  email | string  integer  string  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An request body with doctor to update data**  Example response:-  {"id":1, "firstname":"IAD" ………} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## Doctor’s delete request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **Delete** | doctors/del/:id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  HEAD | x-access-token  id | string  integer |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An request param ID’s of doctor to delete is given**  Example response:-  {"deletions":1} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

# Patient’s Table Data

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /patients |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| Head | x-access-token | string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An JSON containing all patients’s table data** |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

# Patient’s Search request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET**  **GET** | /patients/byid/:id  / patients/byname/:name |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| Head  Head  Head | x-access-token  id  name | string  integer  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An JSON containing all patients’s table data with respect to id or name** |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 401 | {"error":"Invalid name."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## Patient’s Data Insert Request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /patients |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST  POST  POST  ………… | x-access-token  id  firstname  lastname  email | string  integer  string  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An request body with of patient to insert data**  Example response:-  {"id":1, "firstname":"IAD" ………} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## Patient’s Data Update Request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **PATCH** | /patients/update/id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  HEAD  POST  POST  POST  ………… | x-access-token  id  firstname  lastname  email | string  integer  string  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An request body with patient to update data**  Example response:-  {"id":1, "firstname":"IAD" ………} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## Patient’s delete request

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **Delete** | patients/del/:id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  HEAD | x-access-token  id | string  integer |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An request param ID’s of patient to delete is given**  Example response:-  {"deletions":1} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid token."} |
| 500 | {"error":"Something went wrong. Please try again later."} |