**ViaHome-API**

|  |  |
| --- | --- |
| Http Status Code | Description |
| 200 (OK) | The request has succeeded |
| 201 (Created) | Successful creation occurred |
| 400 (Bad request) | The request cannot be fulfilled due to bad syntax. |
| 500 (Internal server error) | A generic error message, given when no more specific message is suitable. |

# Web API List:

*User Routing*

|  |  |  |
| --- | --- | --- |
| **API URI** | **Request Type** | **Description** |
| [http://localhost:4200/userRegister](http://localhost:4200/userRegister%20) | POST | Submits the data to server |
| <http://localhost:4200/userUpdate> | POST | Updates the data to server |
| <http://localhost:4200/userDelete> | POST | Deletes data from the server |
| <http://localhost:4200/userActiveAccount> | POST | Activates user account |
| [http://localhost:4200/userLogin](http://localhost:4200/userLogin%20) | POST | Enter login details |
| [http://localhost:4200/findUsers](http://localhost:4200/findUsers%20) | GET | GET User Details |

*Project Routing*

|  |  |  |
| --- | --- | --- |
| **API URI** | **Request Type** | **Description** |
| <http://localhost:4200/createProject> | POST | Creates a new project with all the details and submits to server |
| <http://localhost:4200/ProjectUpdate> | POST | Updates some of the data of the project to server |
| <http://localhost:4200/ProjectDelete> | POST | Deletes a project from the server |
| <http://localhost:4200/findProjects> | GET | GET Project List |

*Admin Routing*

|  |  |  |
| --- | --- | --- |
| **API URI** | **Request Type** | **Description** |
| <http://localhost:4200/AdminRegister> | POST | Submits the admin details to server |
| <http://localhost:4200/AdminUpdate> | POST | Updates admin details and submits to server |
| [http://localhost:4200/medianIncome](http://localhost:4200/AdminUpdate) | GET | GET Median Income data |
| http://localhost:4200/addMedianIncome | POST | Add median Income data to server |
| http://localhost:4200/updateMedianIncome | POST | Update median Income data to server |
| http://localhost:4200/deleteMedianIncome | POST | Deletes Median Income data from server |
| http://localhost:4200/fmrRents | GET | GET FMR Rents data from server |
| http://localhost:4200/addfmrRents | POST | POSTs new FMR Rents data to server |
| http://localhost:4200/updatefmrRents | POST | Updates FMR Rents data to server |
| http://localhost:4200/deletefmrRents | POST | Deletes FMR Rents data from server |
| http://localhost:4200/rcAssumption | GET | Get RC Assumption data from server |
| http://localhost:4200/addRCAData | POST | POSTs new RCA data to server |
| http://localhost:4200/updateRCAData | POST | Updates RCA data to server |
| http://localhost:4200/deleteRCAData | POST | Deletes RCA data from server |

*User Login:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| username | String | No | This must be String only |
| password | String | No | This must be String only |

1. Valid login Credentials

**Sample Input Request for POST(userLogin):**

**Response (Success):**

Status Code: 200 (OK).

{

"username" : "blj8083432",

"password" :"1234"

}

**Sample Output Response for POST(userLogin):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "user Login successful",

"id": "59c0ad809b3c8418549a8bb1",

"Match": true

}

1. Invalid Login Credentials

**Sample Input Request for POST(userLogin):**

**Response (Success):**

Status Code: 200 (OK).

{

"username" : "blj8sdfdsfsdf083432",

"password" :"1234"

}

**Sample Output Response for POST(userLogin):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Invalid User login details"

}

1. Wrong Password

**Sample Input Request for POST(userLogin):**

**Response (Success):**

Status Code: 200 (OK).

{

"username" : "blj8083432",

"password" :"12vdxvc34"

}

**Sample Output Response for POST(userLogin):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Password does not match",

"Match": false

}

*User Register:*

1. New User Details

*User Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| firstname | String | No | This must be String only |
| lastname | String | No | This must be String only |
| email | String | No | This must be String only |
| username | String | No | This must be String only |
| password | String | No | This must be String only |
| city | String | No | This must be String only |
| address | String | No | This must be String only |
| Phone | Number | No | This must be Integer only |

**Sample Input Request for POST(userRegister):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"firstName" : "Ashok Reddy",

"lastName" : "Penamalli",

"email" :"ashokkumarr.betabulls@gmail.com",

"username" : "blj8083432",

"password" :"1234",

"city" : "Hyd",

"address" : "Nlr",

“phone" : "9988776655",

"agree" : false

}

**Sample Output Response for POST(userRegister):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"msg": "success",

"response": {

"\_\_v": 0,

"email": "ashokkumarr.betabulls@gmail.com",

"username": "blj8083432",

"password": "$2a$10$ASwgId0hxevlWcMX2DF9deuzyfbvy.PJlKB6iccNLnu1/evcL1Cj6",

"city": "Hyd",

"address": "Nlr",

"agree": false,

"active": true,

"removeAccount": true,

"\_id": "59b63b4fb847d22ebc505947",

"createdDate": "2017-09-11T07:29:19.849Z"

}

}

1. Already existing User Details (email-Id)

**Sample Input Request for POST(userRegister):**

**Response (Success):**

Status Code: 200 (OK).

{

"email":"Ashokkumar.penamalli123@gmail.com",

"username": "blj808343",

"password":"1234",

"firstName": "Ashok Reddy",

"lastName": "Penamalli",

"city": "Hyd",

"address": "Nlr",

"agree": false

}

**Sample Output Response for POST(userRegister):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"msg": "email already existed"

}

1. Already existing User Details (username & email-Id)

**Sample Input Request for POST(userRegister):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"FirstName" : "Ashok Reddy",

"LastName" : "Penamalli",

"email" :"ashokkumarr.betabulls@gmail.com",

"username" : "blj8083432",

"password" :"1234",

"city" : "Hyd",

"address" : "Nlr",

"agree" : false

}

**Sample Output Response for POST(userRegister):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"msg": "username and email already existed"

}

*Updating User Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| firstname | String | No | This must be String only |
| lastname | String | No | This must be String only |
| email | String | No | This must be String only |
| password | String | No | This must be String only |
| city | String | No | This must be String only |
| address | String | No | This must be String only |
| Phone | Number | No | This must be Integer only |

1. Valid Credentials

**Sample Input Request for POST(userUpdate):**

**Response (Success):**

Status Code: 200 (OK).

{

"id" :"599541285d59581b3cea33b1",

"email" :"Ashokkumar.penamalli123@gmail.com",

"username" : "blj8082",

"firstName" : "Ashok Reddy",

"lastName" : "Penamalli",

"city" : "Hyd",

"address" : "Nlr"

}

**Sample Output Response for POST(userUpdate):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"msg": "your profile has been successfully updated",

"response": {

"n": 0,

"nModified": 0,

"ok": 1

}

}

1. If invalid id provided

**Sample Input Request for POST(userUpdate):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"id" :"45599541285d59581b3cea33b1",

"email" :"Ashokkumar.penamalli123@gmail.com",

"username" : "blj8082",

"firstName" : "Ashok Reddy",

"lastName" : "Penamalli",

"city" : "Hyd",

"address" : "Nlr"

}

**Sample Output Response for POST(userUpdate):**

**Response (Success):**

Status Code­­­­­: 200 (OK).

{

"msg": "update failed like did not matched id"

}

*Deleting User Details:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |

1. Correct User Id:

**Sample Input Request for POST(userDelete):**

**Response (Success):**

Status Code: 200 (OK)

{

"id" :"599541285d59581b3cea33b1",

"removeAccount" :false

}

**Sample Output Response for POST(userDelete):**

**Response (Success):**

Status Code: 200 (OK)

{

"msg": "Account Removed Successfully",

"response": {

"n": 0,

"nModified": 0,

"ok": 1

}

}

1. Incorrect User Id

**Sample Input Request for POST(userDelete):**

**Response (Success):**

Status Code: 200 (OK)

{

"id" :"49599541285d59581b3cea33b1",

"removeAccount" :false

}

**Sample Output Response for POST(userDelete):**

**Response (Success):**

Status Code: 200 (OK)

{

"msg": "Unable to delete like did not matched id"

}

*User Active Account:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| active | Boolean | Yes | This must be Boolean only |

1. Valid Credentials

**Sample Input Request for POST(userActiveAccount):**

**Response (Success):**

Status Code: 200 (OK).

{

"id" :"599564ec9f452c077ca68be6",

"active" : true

}

**Sample Output Response for POST(userActiveAccount):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Active Account Successfully updated",

"response": {

"n": 0,

"nModified": 0,

"ok": 1

}

}

1. Invalid Credentials (invalid id)

**Sample Input Request for POST(userActiveAccount):**

**Response (Success):**

Status Code: 200 (OK).

{

"id" :"ad599564ec9f452c077ca68be6",

"active" : true

}

**Sample Output Response for POST(userActiveAccount):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Active Account update failure like did not matched id"

}

*GET All Users:*

**Sample Input Request for GET(findUsers):**

**Response (Success):**

Status Code: 200 (OK).

{

}

**Sample Output Response for GET(findUsers):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Users found successfully",

"Data": [

{

"\_id": "59c0ad809b3c8418549a8bb1",

"firstName": "Ashok Reddy",

"lastName": "Penamalli",

"email": "ashokkumarr.betabulls@gmail.com",

"username": "blj8083432",

"password": "$2a$10$UDixtBpvyRdzu2GODxGl6O9HtWgvKw9CwAfPFOKEadSpkGTb6qvoW",

"city": "Hyd",

"address": "Nlr",

"phone": "9988776655",

"agree": false,

"active": true,

"removeAccount": true,

"\_\_v": 0,

"createdDate": "2017-09-19T05:39:12.952Z"

},

{

"\_id": "59c0ae4ea0f0553484c17765",

"firstName": "Jaya Lakshmi",

"lastName": "Vajapeyajula",

"email": "jaya@gmail.com",

"username": "jaya2410",

"password": "$2a$10$71ZkZNGaGUSCn6ujglpe0uvLDwTpIk9xf7laMYtmKEWfs9wufDBuO",

"city": "Vizag",

"address": "Vizag",

"phone": "9988776655",

"agree": false,

"active": true,

"removeAccount": true,

"\_\_v": 0,

"createdDate": "2017-09-19T05:42:38.569Z"

},

{

"\_id": "59c0ae6aa0f0553484c17766",

"firstName": "Jaya Lakshmi",

"lastName": "Vajapeyajula",

"email": "jaya24@gmail.com",

"username": "lakshmi",

"password": "$2a$10$WZMp.AO7E421mTefPnVFEubmdGIJ0FaAI9m4S/612N.HOyj7WdwLG",

"city": "Vizag",

"address": "Vizag",

"phone": "9988776655",

"agree": false,

"active": true,

"removeAccount": true,

"\_\_v": 0,

"createdDate": "2017-09-19T05:43:06.380Z"

}

]

}

*Create Project:*

*Project Creation Fields*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Name | String | No | This must be String only |
| Email | String | No | This must be String only |
| Phone | Number | No | This must be Number only |
| Address | String | No | This must be String only |
| City | String | No | This must be String only |
| State | String | No | This must be String only |
| Zipcode | Number | No | This must be Number only |
| ProjectName | String | No | This must be String only |
| OrganizationName | String | No | This must be String only |
| PropertyAddress | String | No | This must be String only |
| MetroArea | String | No | This must be String only |
| ConstructionType | String | No | This must be String only |
| PurchasePrice | Number | No | This must be Number only |
| SquareFootage | Number | No | This must be Number only |
| RenovationLevel | String | No | This must be String only |
| Studios | String | No | This must be String only |
| One\_BedRoom\_11 | Number | No | This must be Number only |
| Two\_BedRoom\_12 | Number | No | This must be Number only |
| Three\_BedRoom\_13 | Number | No | This must be Number only |
| Four\_BedRoom\_14 | Number | No | This must be Number only |

**Sample Input Request for POST(createProject):**

**Response (Success):**

Status Code: 200 (OK).

{

"Name" : "Ashok",

"Email" : "ashok@betabulls.com",

"Phone" : 8099899823,

"Address" : "Nellore",

"City" : "Nellore",

"State" : "Ap",

"ZipCode" :524321,

"ProjectName" :"lollypop",

"OrganizationName" : "PAR",

"PropertyAddress" :"Nellore",

"MetroArea" : "Hyd",

"ConstructionType" :"New",

"PurchasePrice" : 25000,

"SquareFootage" : 452,

"RenovationLevel" : "high",

"Studios" : "studio",

"One\_BedRoom\_11" : 1,

"Two\_BedRoom\_12" : 2,

"Three\_BedRoom\_13" : 3,

"Four\_BedRoom\_14" : 5

}

**Sample Output Response for POST(createProject):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Success",

"response": {

"\_\_v": 0,

"Name": "Ashok",

"Email": "ashok@betabulls.com",

"Phone": 8099899823,

"Address": "Nellore",

"City": "Nellore",

"State": "Ap",

"ZipCode": 524321,

"ProjectName": "lollypop",

"OrganizationName": "PAR",

"PropertyAddress": "Nellore",

"MetroArea": "Hyd",

"ConstructionType": "New",

"PurchasePrice": 25000,

"SquareFootage": 452,

"RenovationLevel": "high",

"Studios": "studio",

"One\_BedRoom\_11": 1,

"Two\_BedRoom\_12": 2,

"Three\_BedRoom\_13": 3,

"Four\_BedRoom\_14": 5,

"\_id": "59c0b6b1f98a731ae0a2e4c6",

"createdDate": "2017-09-19T06:18:25.620Z"

}}

*Update Project:*

*Project Updation Input Fields*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| Name | String | No | This must be String only |
| Email | String | No | This must be String only |
| Phone | Number | No | This must be Number only |
| Address | String | No | This must be String only |
| City | String | No | This must be String only |
| State | String | No | This must be String only |
| Zipcode | Number | No | This must be Number only |
| ProjectName | String | No | This must be String only |
| OrganizationName | String | No | This must be String only |
| PropertyAddress | String | No | This must be String only |
| MetroArea | String | No | This must be String only |
| ConstructionType | String | No | This must be String only |
| PurchasePrice | Number | No | This must be Number only |
| SquareFootage | Number | No | This must be Number only |
| RenovationLevel | String | No | This must be String only |
| Studios | String | No | This must be String only |
| One\_BedRoom\_11 | Number | No | This must be Number only |
| Two\_BedRoom\_12 | Number | No | This must be Number only |
| Three\_BedRoom\_13 | Number | No | This must be Number only |
| Four\_BedRoom\_14 | Number | No | This must be Number only |

1. Valid Credentials:

**Sample Input Request for POST(ProjectUpdate):**

**Response (Success):**

Status Code: 200 (OK).

{

"id" :"59955b270008835340ad8a8d",

"Name" : "Ashok",

"Email" : "ashok@betabulls.com",

"Phone" : 80998988823,

"Address" : "Nellore",

"City" : "Nellore",

"State" : "Ap",

"ZipCode" :524321,

"ProjectName" :"lollypop",

"OrganizationName" : "PAR",

"PropertyAddress" :"Nellore",

"MetroArea" : "Hyd",

"ConstructionType" :"New",

"PurchasePrice" : 25000,

"SquareFootage" : 452,

"RenovationLevel" : "high",

"Studios" : "studio",

"One\_BedRoom\_11" : 1,

"Two\_BedRoom\_12" : 2,

"Three\_BedRoom\_13" : 3,

"Four\_BedRoom\_14" : 5

}

**Sample Output Response for POST(ProjectUpdate):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Project updated successfully",

"response": {

"n": 0,

"nModified": 0,

"ok": 1

}

}

1. Invalid Credentials (invalid id):

**Sample Input Request for POST(ProjectUpdate):**

**Response (Success):**

Status Code: 200 (OK).

{

"id" :"sd59955b270008835340ad8a8d",

"Name" : "Ashok",

"Email" : "ashok@betabulls.com",

"Phone" : 80998988823,

"Address" : "Nellore",

"City" : "Nellore",

"State" : "Ap",

"ZipCode" :524321,

"ProjectName" :"lollypop",

"OrganizationName" : "PAR",

"PropertyAddress" :"Nellore",

"MetroArea" : "Hyd",

"ConstructionType" :"New",

"PurchasePrice" : 25000,

"SquareFootage" : 452,

"RenovationLevel" : "high",

"Studios" : "studio",

"One\_BedRoom\_11" : 1,

"Two\_BedRoom\_12" : 2,

"Three\_BedRoom\_13" : 3,

"Four\_BedRoom\_14" : 5

}

**Sample Output Response for POST(ProjectUpdate):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Project updation failed - id did not match"

}

*Project Delete:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |

1. Valid Credentials

**Sample Input Request for POST(ProjectDelete):**

**Response (Success):**

Status Code: 200 (OK).

{

"id":"59955b270008835340ad8a8d"

}

**Sample Output Response for POST(ProjectDelete):**

**Response (Success):**

Status Code: 200 (OK).

{ "msg": "Project Removed Successfully",

"response": {

"n": 0,

"ok": 1

}

}

1. Invalid Credentials (invalid id):

**Sample Input Request for POST(ProjectDelete):**

**Response (Success):**

Status Code: 200 (OK).

{

"id":"4559955b270008835340ad8a8d"

}

**Sample Output Response for POST(ProjectDelete):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Unable to delete like did not matched id"

}

*Find Projects:*

1. Valid Credentials:

**Sample Input Request for POST(findProjects):**

**Response (Success):**

Status Code: 200 (OK).

{

}

**Sample Output Response for POST(findProjects):**

**Response (Success):**

Status Code: 200 (OK).

{

"msg": "Found all projects Successfully",

"App": [

{

"\_id": "59c0b6b1f98a731ae0a2e4c6",

"Name": "Ashok",

"Email": "ashok@betabulls.com",

"Phone": 8099899823,

"Address": "Nellore",

"City": "Nellore",

"State": "Ap",

"ZipCode": 524321,

"ProjectName": "lollypop",

"OrganizationName": "PAR",

"PropertyAddress": "Nellore",

"MetroArea": "Hyd",

"ConstructionType": "New",

"PurchasePrice": 25000,

"SquareFootage": 452,

"RenovationLevel": "high",

"Studios": "studio",

"One\_BedRoom\_11": 1,

"Two\_BedRoom\_12": 2,

"Three\_BedRoom\_13": 3,

"Four\_BedRoom\_14": 5,

"\_\_v": 0,

"createdDate": "2017-09-19T06:18:25.620Z"

}

]

}

*Admin Register*

*Admin Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| firstname | String | No | This must be String only |
| lastname | String | No | This must be String only |
| email | String | No | This must be String only |
| username | String | No | This must be String only |
| password | String | No | This must be String only |
| city | String | No | This must be String only |
| address | String | No | This must be String only |
| Phone | Number | No | This must be Integer only |

**Sample Input Request for POST(AdminRegister):**

**Response (Success):**

Status Code: 200 (OK).

{

"firstName" : "Ashok Reddy",

"lastName" : "Penamalli",

"email" :"ashokkumarr.betabulls@gmail.com",

"username" : "blj8083432",

"password" :"1234",

"city" : "Hyd",

"address" : "Nlr",

“phone" : "9988776655",

"agree" : false

}

**Sample Output Response for POST(AdminRegister):**

**Response (Success):**

{

"msg": "sucesss",

"response": {

"\_\_v": 0,

"firstName": "Ashok Reddy",

"lastName": "Penamalli",

"email": "ashokkumarr.betabulls@gmail.com",

"username": "blj8083432",

"password": "$2a$10$U20CFG1H33V71MpYZ89wp.FF2oiQMc8XN8ogwtLdEBCbwf8kRwew6",

"city": "NA",

"address": "NA",

"phone": "NA",

"active": true,

"removeAccount": true,

"\_id": "59c0b8fef98a731ae0a2e4c7",

"createdDate": "2017-09-19T06:28:14.362Z"

}

}

*Admin Update*

*Admin Update Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| firstname | String | No | This must be String only |
| lastname | String | No | This must be String only |
| email | String | No | This must be String only |
| username | String | No | This must be String only |
| password | String | No | This must be String only |
| city | String | No | This must be String only |
| address | String | No | This must be String only |
| Phone | Number | No | This must be Integer only |

1. Valid Credentials:

**Sample Input Request for POST(AdminUpdate):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id":"59ae70ec4631112d8caef512",

"email":" Ashokkumar.penamalli123@gmail.com",

"username": "blj8082",

"firstName": "Ashok Reddy",

"lastName": "Penamalli",

"city": "Hyd",

"address": "Nlr"

}

**Sample Output Response for POST(AdminUpdate):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Admin data updated successfully",

"response": {

"n": 1,

"nModified": 0,

"ok": 1

}

}

1. Invalid Credentials (invalid id):

**Sample Input Request for POST(AdminUpdate):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id":"dd59ae70ec4631112d8caef512",

"email":" Ashokkumar.penamalli123@gmail.com",

"username": "blj8082",

"firstName": "Ashok Reddy",

"lastName": "Penamalli",

"city": "Hyd",

"address": "Nlr

}

**Sample Output Response for POST(AdminUpdate):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Admin updation failed - id did not match"

}

*GET MedianIncome Data*

**Sample Input Request for GET(medianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

}

**Sample Output Response for GET(medianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Found data successfully",

"App": [

{

"\_id": "59bfca3e94cd9f04e0ef0e05",

"Area\_Name": "Jones County, IA ",

"Median\_Income-2017": 67100,

"Person\_1": 28200,

"People\_2": 32220,

"People\_3": 36240,

"People\_4": 40260,

"People\_5": 43500,

"People\_6": 46740,

"People\_7": 49980,

"People\_8": 53160

},

{

"\_id": "59bfca3e94cd9f04e0ef0e03",

"Area\_Name": "Jefferson County, IA",

"Median\_Income-2017": 61500,

"Person\_1": 26880,

"People\_2": 30720,

"People\_3": 34560,

"People\_4": 38340,

"People\_5": 41460,

"People\_6": 44520,

"People\_7": 47580,

"People\_8": 50640

},

]

}

*Update Median Income data*

*Update Median Income Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| Area\_Name | String | No | This must be String only |
| Median\_Income\_2017 | Number | No | This must be Integer only |
| Person\_1 | Number | No | This must be Integer only |
| People\_2 | Number | No | This must be Integer only |
| People\_3 | Number | No | This must be Integer only |
| People\_4 | Number | No | This must be Integer only |
| People\_5 | Number | No | This must be Integer only |
| People\_6 | Number | No | This must be Integer only |
| People\_7 | Number | No | This must be Integer only |
| People\_8 | Number | No | This must be Integer only |

1. Valid Credentials

**Sample Input Request for POST(updateMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "59bfca3e94cd9f04e0ef0e07",

"Area\_Name": "Kossuth County, IA",

"Median\_Income\_2017": 68700,

"Person\_1": 20000,

"People\_2": 33000,

"People\_3": 37140,

"People\_4": 41220,

"People\_5": 44520,

"People\_6": 47820,

"People\_7": 51120,

"People\_8": 54420

}

**Sample Output Response for POST(updateMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Median Income data updated successfully",

"response": {

"n": 0,

"nModified": 0,

"ok": 1

}

}

1. Invalid Credentials (invalid id):

**Sample Input Request for POST(updateMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "dfd59bfca3e94cd9f04e0ef0e03",

"Area\_Name": "Jefferson County, IA",

"Median\_Income\_2017": 61500,

"Person\_1": 26880,

"People\_2": 30720,

"People\_3": 34560,

"People\_4": 38340,

"People\_5": 41460,

"People\_6": 44520,

"People\_7": 47580,

"People\_8": 50640

}

**Sample Output Response for POST(updateMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "MedianIncome updation failed - id did not match"

}

*Delete MedianIncome Data:*

*Delete Median Income Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | No | This must be String only |

**Sample Input Request for POST(deleteMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "59bfca3e94cd9f04e0ef0e03"

}

**Sample Output Response for POST(deleteMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Data Removed Successfully",

"response": {

"n": 1,

"ok": 1

}

}

*Add MedianIncome Data:*

*Median Income Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Area\_Name | String | No | This must be String only |
| Median\_Income\_2017 | Number | No | This must be Integer only |
| Person\_1 | Number | No | This must be Integer only |
| People\_2 | Number | No | This must be Integer only |
| People\_3 | Number | No | This must be Integer only |
| People\_4 | Number | No | This must be Integer only |
| People\_5 | Number | No | This must be Integer only |
| People\_6 | Number | No | This must be Integer only |
| People\_7 | Number | No | This must be Integer only |
| People\_8 | Number | No | This must be Integer only |

**Sample Input Request for POST(addMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"Area\_Name": "Jefferson County, IA",

"Median\_Income\_2017": 61500,

"Person\_1": 26880,

"People\_2": 30720,

"People\_3": 34560,

"People\_4": 38340,

"People\_5": 41460,

"People\_6": 44520,

"People\_7": 47580,

"People\_8": 50640

}

**Sample Output Response for GET(addMedianIncome):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Success",

"response": {

"\_\_v": 0,

"Area\_Name": "Jefferson County, IA",

"Median\_Income\_2017": 61500,

"Person\_1": 26880,

"People\_2": 30720,

"People\_3": 34560,

"People\_4": 38340,

"People\_5": 41460,

"People\_6": 44520,

"People\_7": 47580,

"People\_8": 50640,

"\_id": "59c0cf2f581c4e1994c665df"

}

}

*GET FMR Rents Data*

**Sample Input Request for GET(fmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

}

**Sample Output Response for GET(fmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

[

{

"\_id": "59ba3c9994cd9f02642f985e",

"Area\_Name": "Anchorage, AK ",

"Median\_Income\_2017": 2225,

"Person\_1": 934.5,

"People\_2": 1068,

"People\_3": 1201.5,

"People\_4": 1335,

"People\_5": 1443,

"People\_6": 1549.5,

"People\_7": 1656,

"People\_8": 1762.5,

"State": "AK",

"Cap\_Rate": 0.07,

"Class\_C\_Adjusted\_Cap\_Rate": 0.11

},

]

*Update FMR Rents:*

*Update FMR Rents Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| Area\_Name | String | No | This must be String only |
| Median\_Income\_2017 | Number | No | This must be Integer only |
| Person\_1 | Number | No | This must be Integer only |
| People\_2 | Number | No | This must be Integer only |
| People\_3 | Number | No | This must be Integer only |
| People\_4 | Number | No | This must be Integer only |
| People\_5 | Number | No | This must be Integer only |
| People\_6 | Number | No | This must be Integer only |
| People\_7 | Number | No | This must be Integer only |
| People\_8 | Number | No | This must be Integer only |
| State | String | No | This must be String only |

1. Valid Credentials

**Sample Input Request for POST(updatefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "59ba3c9994cd9f02642f985d",

"Area\_Name": "Aleutians Jaya Census Area, AK",

"Median\_Income\_2017": 2255,

"Person\_1": 1005,

"People\_2": 1149,

"People\_3": 1293,

"People\_4": 1435.5,

"People\_5": 1551,

"People\_6": 1666.5,

"People\_7": 1780.5,

"People\_8": 1896,

"State": "AK",

}

**Sample Output Response for POST(updatefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "FMR Rents data updated successfully",

"response": {

"n": 1,

"nModified": 1,

"ok": 1

}

}

1. Invalid Credentials

**Sample Input Request for POST(updatefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "asa59ba3c9994cd9f02642f985d",

"Area\_Name": "Aleutians West Census Area, AK",

"Median\_Income\_2017": 2255,

"Person\_1": 1005,

"People\_2": 1149,

"People\_3": 1293,

"People\_4": 1435.5,

"People\_5": 1551,

"People\_6": 1666.5,

"People\_7": 1780.5,

"People\_8": 1896,

"State": "AK"

}

**Sample Output Response for POST(updatefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "FMR Rents data updation failed - id did not match"

}

*Delete FMR Rents Data:*

*Delete FMR Rents Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |

1. Valid Credentials:

**Sample Input Request for POST(deletefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "59ba3c9994cd9f02642f985d"

}

**Sample Output Response for POST(deletefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Data Removed Successfully",

"response": {

"n": 1,

"ok": 1

}

}

1. Invalid Credentials:

**Sample Input Request for POST(deletefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "asas59ba3c9994cd9f02642f985d"

}

**Sample Output Response for POST(deletefmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Unable to delete data - did not match id"

}

*Add FMR Rents Data:*

*FMR Rents Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Area\_Name | String | No | This must be String only |
| Median\_Income\_2017 | Number | No | This must be Integer only |
| Person\_1 | Number | No | This must be Integer only |
| People\_2 | Number | No | This must be Integer only |
| People\_3 | Number | No | This must be Integer only |
| People\_4 | Number | No | This must be Integer only |
| People\_5 | Number | No | This must be Integer only |
| People\_6 | Number | No | This must be Integer only |
| People\_7 | Number | No | This must be Integer only |
| People\_8 | Number | No | This must be Integer only |
| State | String | No | This must be String only |

**Sample Input Request for POST(addfmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"Area\_Name": "Aleutians West Census Area, AK",

"Median\_Income\_2017": 2255,

"Person\_1": 1005,

"People\_2": 1149,

"People\_3": 1293,

"People\_4": 1435.5,

"People\_5": 1551,

"People\_6": 1666.5,

"People\_7": 1780.5,

"People\_8": 1896,

"State": "AK"

}

**Sample Output Response for POST(addfmrRents):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Success",

"response": {

"\_\_v": 0,

"Area\_Name": "Aleutians West Census Area, AK",

"Median\_Income\_2017": 2255,

"Person\_1": 1005,

"People\_2": 1149,

"People\_3": 1293,

"People\_4": 1435.5,

"People\_5": 1551,

"People\_6": 1666.5,

"People\_7": 1780.5,

"People\_8": 1896,

"State": "AK",

"\_id": "59c0ddca646c23421c22a492"

}

}

*GET RCAssumption Data:*

**Sample Input Request for GET(rcAssumption):**

**Response (Success):**

StatusCode: 200 (OK).

{

}

**Sample Output Response for GET(rcAssumption):**

**Response (Success):**

StatusCode: 200 (OK).

[

{

"\_id": "59ba78b394cd9f02642fa4d3",

"type": "Demolition",

"Repair\_Level": "Gut",

"price": 3,

"value": ""

},

{

"\_id": "59ba78b394cd9f02642fa4d6",

"type": "Demolition",

"Repair\_Level": "Limited",

"price": 0,

"value": ""

},

{

"\_id": "59ba78b394cd9f02642fa4d7",

"type": "Heating",

"Repair\_Level": "Individual Apt Heat / AC",

"price": 7000,

"value": ""

},

{

"\_id": "59ba78b394cd9f02642fa4d8",

"type": "Heating",

"Repair\_Level": "Individual Apt Heat",

"price": 4500,

"value": ""

},

]

*Update RC Assumption Data:*

*Update RC Assumption Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |
| type | String | No | This must be String only |
| value | String | No | This must be String only |
| Repair\_level | String | No | This must be String only |
| price | Number | No | This must be Integer only |

1. Valid Credentials:

**Sample Input Request for POST(updateRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "59ba78b394cd9f02642fa4d3",

"type": "Demolition",

"Repair\_Level": "Gut",

"price": 3,

"value": ""

}

**Sample Output Response for POST(updateRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "RC Assumptions data updated successfully",

"response": {

"n": 1,

"nModified": 1,

"ok": 1

}

}

1. Invalid Credentials:

**Sample Input Request for POST(updateRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "asa59ba78b394cd9f02642fa4d3",

"type": "Demolition",

"Repair\_Level": "Gut",

"price": 3,

"value": ""

}

**Sample Output Response for POST(updateRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "RC Assumptions data updation failed - id did not match"

}

*Delete RC Assumption Data:*

*Delete RC Assumption Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| Id | String | Yes | This must be String only |

1. Valid Credentials:

**Sample Input Request for POST(deleteRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "59ba78b394cd9f02642fa4d3"

}

**Sample Output Response for POST(deleteRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Data Removed Successfully",

"response": {

"n": 1,

"ok": 1

}

}

1. Invalid Credentials:

**Sample Input Request for POST(deleteRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"id": "asa59ba78b394cd9f02642fa4d3"

}

**Sample Output Response for POST(deleteRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Unable to delete data - did not match id"

}

*Add RC Assumption Data:*

*RC Assumption Input Details*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Required** | **Description** |
| type | String | No | This must be String only |
| value | String | No | This must be String only |
| Repair\_level | String | No | This must be String only |
| price | Number | No | This must be Integer only |

**Sample Input Request for POST(addRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"type": "Demolition",

"Repair\_Level": "Gut",

"price": 3,

"value": ""

}

**Sample Output Response for POST(addRCAData):**

**Response (Success):**

StatusCode: 200 (OK).

{

"msg": "Success",

"response": {

"\_\_v": 0,

"type": "Demolition",

"Repair\_Level": "Gut",

"price": 3,

"value": "",

"\_id": "59c0f642dc3e4403e091edb6"

}

}