# **UDAPI JSON Agreement**

# **Authentication**:

|  |  |
| --- | --- |
| **Register** | Register a new user |
| Request | **POST** |
| Endpoint | **/register** |
| Header |  |
| Body | {  "email":"ataago.go@gmail.com",  "username":"Ataa",  "password":"abcdedf"  } |
| Response | {  "message": "ataago.go@gmail.com successfully registered as Ataa!",  "success": 1  } |

|  |  |
| --- | --- |
| **Login** | Login with your username and password |
| Request | **POST** |
| Endpoint | **/login** |
| Header |  |
| Body | {  "username": "Ataa",  "password": "abcdedf"  } |
| Response | {  "jwtToken": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VybmFtZSI6IkF0YWEiLCJleHAiOjE1ODkwOTI5NTB9.PhuOCh5zN8tWh2195OB7TZeBDGETyJolYfHcKx2R\_\_k"  } |

**DATABASES**:

|  |  |
| --- | --- |
| **DATABASES** | List all the databases with <databaseType> : all, mysql, mongodb |
| Request | **GET** |
| Endpoint | **/<databaseType>/databases** |
| Header | **jwtToken** |
| Body | e |
| Response | {  "databases": [  "gomysql1",  "gomysql9"  ],  "success": 1  } |

|  |  |
| --- | --- |
| **DATABASES** | Create a new database and add in configs |
| Request | **POST** |
| Endpoint | **/<databaseType>/databases** |
| Header | **jwtToken** |
| Body | {  "databaseName":"gomysql9"  } |
| Response | {  "message": "Database created successfully.",  "success": 1  } |

|  |  |
| --- | --- |
| **DATABASES** | Delete the Database |
| Request | **DELETE** |
| Endpoint | **/<databaseType>/database/<databaseName>** |
| Header | **jwtToken** |
| Body |  |
| Response | {  "message": "Database: gomysql1 deleted successfully.",  "success": 1  } |

## **ENTITY SETS:**

|  |  |
| --- | --- |
| **ENTITYSET** | View all the Entity Sets in the Database |
| Request | **GET** |
| Endpoint | **/<databaseType>/database/<databaseName>** |
| Header | **jwtToken** |
| Body |  |
| Response | {  "message": [  "dept",  "emp",  "salgrade"  ],  "success": 1  } |

|  |  |
| --- | --- |
| **ENTITYSET** | Create a new entity set in the databaseName |
| Request | **POST** |
| Endpoint | **/<databaseType>/database/<databaseName>** |
| Header | **jwtToken** |
| Body | {  "entitySetName": "student2",  "attributes": {  "id": {  "DataType": "INT",  "PK": 1,  "NN": 1,  "AI": 1  },  "studname": {  "DataType": "VARCHAR(20)",  "PK": 1,  "NN": 1,  "AI": 0  },  "grade": {  "DataType": "VARCHAR(2)",  "PK": 0,  "NN": 0,  "AI": 0  }  }  } |
| Response | {  "message": "Table Created",  "success": 1  } |

|  |  |
| --- | --- |
| **ENTITYSET** | Edit Entity set Name |
| Request | **PUT** |
| Endpoint | **/<databaseType>/database/<databaseName>/<entitySetName>** |
| Header | **jwtToken** |
| Body | {  "newEntitySetName": "newTableName"  } |
| Response | {  "message": "Table Name Altered",  "success": 1  } |

|  |  |
| --- | --- |
| **ENTITYSET** | Delete an Entity Set. |
| Request | **DELETE** |
| Endpoint | **/<databaseType>/database/<databaseName>/<entitySetName>** |
| Header | **jwtToken** |
| Body |  |
| Response | {  "message": "Table newTableName deleted.",  "success": 1  } |

## **ENTITY**:

|  |  |
| --- | --- |
| **ENTITY** | View all the entites in the entitySetName |
| Request | **GET** |
| Endpoint | **/<databaseType>/database/<databaseName>/<entitySetName>** |
| Header | **jwtToken** |
| Body |  |
| Response | {  "message": [  {  "deptno": 10,  "dname": "Accounting",  "location": "New York"  },  {  "deptno": 20,  "dname": "Research",  "location": "Dallas"  },  {  "deptno": 30,  "dname": "Sales",  "location": "Chicago"  },  {  "deptno": 40,  "dname": "Operations",  "location": "Boston"  }  ],  "success": 1  } |

|  |  |
| --- | --- |
| **ENTITY** | Create new entity for the entitySetName |
| Request | **POST** |
| Endpoint | **/<databaseType>/database/<databaseName>/<entitySetName>** |
| Header | **jwtToken** |
| Body | {  "entity": {  "deptno": 12,  "dname": "Data Scienc",  "location": "Bangalore"  }  } |
| Response | {  "message": "Inserted into dept successfully.",  "success": 1  } |

|  |  |
| --- | --- |
| **ENTITY** | Edit the entity for the entitySetName |
| Request | **PUT** |
| Endpoint | **/<databaseType>/databases/<databaseName>/<entitySetName>/<primeAttributeName>** |
| Header | **jwtToken** |
| Body | {  "primeAttributeValue": "12",  "attributeName": "dname",  "attributeValue": "Data Science"  } |
| Response | {  "message": "updated value of deptno ('12').",  "success": 1  } |

|  |  |
| --- | --- |
| **ENTITY** | Delete an entity for the entitySetName |
| Request | **DELETE** |
| Endpoint | **/<databaseType>/databases/<databaseName>/<entitySetName>/<primeAttributeName>** |
| Header | **jwtToken** |
| Body | {  "primeAttributeValue":12  } |
| Response | {  "message": "Deleted entity having deptno ('12').",  "success": 1  } |