**Fuel API**

Why Fuel API?

Fuel API is an interface for Fuel module. To Upload and display data from different Fuel Services.

Ways to Upload data.

1. Manually (using forms)
2. Upload CSV files.

Format of data should be in the form of array object.

Ex:

[{Data for First row},

{Data for Second row},]

**Fuel API Schema**

|  |  |
| --- | --- |
| **Column Name** | **Data Type** |
| entryID | String |
| cardNumber | Number |
| career | String |
| costPerMile | Number |
| fuelAmount | Number |
| fuelCost | Number |
| fuelType | Number |
| fuelUnits | Number |
| invoiceTotal | Number |
| location | String |
| odometer | Number |
| retailTotal | Number |
| transDate | Number |
| tripDriver | String |
| tripId | String |
| typeOfVehicle | String |
| unitNumber | Number |
| unitOfMeasure | String |
| vendor | String |

**Validation.**

Fuel API is fully validated. All the fields are mandatory and strictly following the data type.

**Example:**

[

    {

        "entryID": "58",

        "transDate": 2102,

        "cardNumber": 123,

        "unitNumber": 12,

        "typeOfVehicle": "truck",

        "tripId": "123",

        "tripDriver": "Raju",

        "vendor": "abc",

        "odometer": 5223,

        "career": "koi v",

        "location": "london",

        "fuelAmount": 123,

        "fuelUnits": 12,

        "fuelType": 20,

        "fuelCost": 12.5,

        "invoiceTotal": 50.6,

        "retailTotal": 50.7,

        "costPerMile": 19.5,

        "unitOfMeasure": "litres"

    },

 {

        "entryID": "58",

        "transDate": 2102,

        "cardNumber": 123,

        "unitNumber": 12,

        "typeOfVehicle": "truck",

        "tripId": "123",

        "tripDriver": "Raju",

        "vendor": "abc",

        "odometer": 5223,

        "career": "koi v",

        "location": "london",

        "fuelAmount": 123,

        "fuelUnits": 12,

        "fuelType": 20,

        "fuelCost": 12.5,

        "invoiceTotal": 50.6,

        "retailTotal": 50.7,

        "costPerMile": 19.5,

        "unitOfMeasure": "litres"

    }

]

**Fuel API calls**

|  |  |
| --- | --- |
| **API Call** | **Format** |
| Get all items | Get: Localhost:3000/fuelentries |
| Post single Item | Post: localhost:3000/fuelentries |
| Get single Item | Get: localhost:3000/fuelentries/:id |
| Update Single Item | Put: localhost:3000/fuelentries/:id |
|  |  |

**EFS (A WEX Company)**

Services needed to get values for all column Names.

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **WEX Services** |
| entryID | String | <id for DynamoDb> |
| cardNumber | Number | getTransaction |
| career | String | getTransaction |
| costPerMile | Number | <calculate> |
| fuelAmount | Number | getTransactionExt =>LineItem |
| fuelCost | Number | getTransactionExt =>LineItem |
| fuelType | Number | getTransactionExt =>LineItem |
| fuelUnits | Number | getTransactionExt =>LineItem |
| invoiceTotal | Number | getTransaction |
| location | String | getTransaction |
| odometer | Number | <fetch ELD> |
| retailTotal | Number |  |
| transDate | Number | getTransaction |
| tripDriver | String | getTransaction=>info |
| typeOfVehicle | String | getTransaction=>info |
| unitNumber | Number | getTransaction=>info |
| unitOfMeasure | String |  |
| vendor | String | getTransaction=>issuerId |