API TESTING FUNDAMENTALS - POSTMAN

1. API Documentation

Overview

This document provides details about the API including endpoints, request/response formats, and error handling.

Base URL

https://dummyjson.com

Endpoints

1. Get All Items -GET

Endpoint: GET/users

Description: Retrieves a list of all items.

Response:

```
{

  "id": 1,

  "firstName": "Emily",

  "lastName": "Johnson",

  "maidenName": "Smith",

  "age": 29,

  "gender": "female",

  "email": "emily.johnson@x.dummyjson.com",

  "phone": "+81 965-431-3024",
```

"username": "emilys",

"password": "emilyspass",

"birthDate": "1996-5-30",

"image": "https://dummyjson.com/icon/emilys/128",

"bloodGroup": "O-",

"height": 193.24,

"weight": 63.16,

"eyeColor": "Green",

"hair": {

  "color": "Brown",

  "type": "Curly"

},

"ip": "42.48.100.32",

"address": {

  "address": "626 Main Street",

  "city": "Phoenix",

  "state": "Mississippi",

  "stateCode": "MS",

  "postalCode": "29112",

  "coordinates": {

    "lat": -77.16213,

    "lng": -92.084824

  },

  "country": "United States"

    },

    "macAddress": "47:fa:41:18:ec:eb",

    "university": "University of Wisconsin--Madison",

    "bank": {

        "cardExpire": "05/28",

        "cardNumber": "3693233511855044",

        "cardType": "Diners Club International",

        "currency": "GBP",

        "iban": "GB74MH2UZLR9TRPHYNU8F8"

    },

    "company": {

        "department": "Engineering",

        "name": "Dooley, Kozey and Cronin",

        "title": "Sales Manager",

        "address": {

            "address": "263 Tenth Street",

            "city": "San Francisco",

            "state": "Wisconsin",

            "stateCode": "WI",

            "postalCode": "37657",

            "coordinates": {

                "lat": 71.814525,

                "lng": -161.150263

            },

          "country": "United States"

        }

      },

      "ein": "977-175",

      "ssn": "900-590-289",

      "userAgent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/96.0.4664.93 Safari/537.36",

      "crypto": {

        "coin": "Bitcoin",

        "wallet": "0xb9fc2fe63b2a6c003f1c324c3bfa53259162181a",

        "network": "Ethereum (ERC20)"

      },

      "role": "admin"

    }

 Status Code: 200OK

2. Get Item by ID - GET

Endpoint:GET/ users/{id}

Description: Retrieves details of a specific item.

Response: Eg: id=208

{

  "id": 208,

  "firstName": "Samantha",

  "lastName": "Martinez",

  "maidenName": "Lopez",

  "age": 28,

"gender": "female",

"email": "samantha.martinez@x.dummyjson.com",

"phone": "+49 493-402-2473",

"username": "samanthal",

"password": "samanthalpass",

"birthDate": "1997-9-3",

"image": "https://dummyjson.com/icon/samanthal/128",

"bloodGroup": "AB+",

"height": 164.29,

"weight": 55.48,

"eyeColor": "Hazel",

"hair": {

    "color": "Green",

    "type": "Straight"

},

"ip": "168.48.152.139",

"address": {

    "address": "1890 First Street",

    "city": "Los Angeles",

    "state": "New Hampshire",

    "stateCode": "NH",

    "postalCode": "53772",

    "coordinates": {

        "lat": -89.0775,

      "lng": -81.825967

    },

    "country": "United States"

  },

  "macAddress": "64:d:24:41:77:b8",

  "university": "University of Texas--Austin",

  "bank": {

    "cardExpire": "04/27",

    "cardNumber": "4729390503046994",

    "cardType": "Visa",

    "currency": "CAD",

    "iban": "DE61932146076474116124"

  },

  "company": {

    "department": "Business Development",

    "name": "Schowalter Group",

    "title": "Project Manager",

    "address": {

      "address": "1046 Main Street",

      "city": "San Diego",

      "state": "Massachusetts",

      "stateCode": "MA",

      "postalCode": "75183",

      "coordinates": {

```
        "lat": -43.398744,

        "lng": -176.705236

      },

      "country": "United States"

    }

  },

  "ein": "951-858",

  "ssn": "408-210-580",

  "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/97.0.4692.99 Safari/537.36",

  "crypto": {

    "coin": "Bitcoin",

    "wallet": "0xb9fc2fe63b2a6c003f1c324c3bfa53259162181a",

    "network": "Ethereum (ERC20)"

  },

  "role": "user"

}
```

Status Code: 200OK

3. Create Item - POST

Endpoint: POST/users/add

Description: Creates a new item.

Request Body:

```
{

  "id": 209,
```

"firstName": "HARI",

"lastName": "Johnson",

"maidenName": "Smith",

"age": 29,

"gender": "female",

"email": "emily.johnson@x.dummyjson.com",

"phone": "+81 965-431-3024",

"username": "emilys",

"password": "emilyspass",

"birthDate": "1996-5-30",

"image": "https://dummyjson.com/icon/emilys/128",

"bloodGroup": "O-",

"height": 193.24,

"weight": 63.16,

"eyeColor": "Green",

"hair": {

    "color": "Brown",

    "type": "Curly"

},

"ip": "42.48.100.32",

"address": {

    "address": "626 Main Street",

    "city": "Phoenix",

    "state": "Mississippi",

      "stateCode": "MS",

      "postalCode": "29112",

      "coordinates": {

        "lat": -77.16213,

        "lng": -92.084824

      },

      "country": "United States"

  },

  "macAddress": "47:fa:41:18:ec:eb",

  "university": "University of Wisconsin--Madison",

  "bank": {

      "cardExpire": "05/28",

      "cardNumber": "3693233511855044",

      "cardType": "Diners Club International",

      "currency": "GBP",

      "iban": "GB74MH2UZLR9TRPHYNU8F8"

  },

  "company": {

      "department": "Engineering",

      "name": "Dooley, Kozey and Cronin",

      "title": "Sales Manager",

      "address": {

        "address": "263 Tenth Street",

        "city": "San Francisco",

```
      "state": "Wisconsin",

      "stateCode": "WI",

      "postalCode": "37657",

      "coordinates": {

         "lat": 71.814525,

         "lng": -161.150263

      },

      "country": "United States"

   }

},

"ein": "977-175",

"ssn": "900-590-289",

"userAgent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/96.0.4664.93 Safari/537.36",

"crypto": {

   "coin": "Bitcoin",

   "wallet": "0xb9fc2fe63b2a6c003f1c324c3bfa53259162181a",

   "network": "Ethereum (ERC20)"

},

"role": "admin"

}
```

Status Code: 201Created

4. Update Item- PUT

Endpoint:PUT/ users/{id}

Description: Updates an existing item.

Request Body:

```
{
    "id": 208,
    "firstName": "Samantha",
    "lastName": "Martinez",
    "maidenName": "Lopez",
    "age": 18,
    "gender": "female",
    "email": "samantha.martinez@x.dummyjson.com",
    "phone": "+49 493-402-2473",
    "username": "samanthal",
    "password": "samanthalpass",
    "birthDate": "1997-9-3",
    "image": "https://dummyjson.com/icon/samanthal/128",
    "bloodGroup": "AB+",
    "height": 164.29,
    "weight": 55.48,
    "eyeColor": "Hazel",
    "hair": {
        "color": "Green",
```

      "type": "Straight"

    },

    "ip": "168.48.152.139",

    "address": {

      "address": "1890 First Street",

      "city": "Los Angeles",

      "state": "New Hampshire",

      "stateCode": "NH",

      "postalCode": "53772",

      "coordinates": {

        "lat": -89.0775,

        "lng": -81.825967

      },

      "country": "United States"

    },

    "macAddress": "64:d:24:41:77:b8",

    "university": "University of Texas--Austin",

    "bank": {

      "cardExpire": "04/27",

      "cardNumber": "4729390503046994",

      "cardType": "Visa",

      "currency": "CAD",

      "iban": "DE61932146076474116124"

    },

      "company": {

         "department": "Business Development",

         "name": "Schowalter Group",

         "title": "Project Manager",

         "address": {

            "address": "1046 Main Street",

            "city": "San Diego",

            "state": "Massachusetts",

            "stateCode": "MA",

            "postalCode": "75183",

            "coordinates": {

               "lat": -43.398744,

               "lng": -176.705236

            },

            "country": "United States"

         }

      },

      "ein": "951-858",

      "ssn": "408-210-580",

      "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/97.0.4692.99 Safari/537.36",

      "crypto": {

         "coin": "Bitcoin",

         "wallet": "0xb9fc2fe63b2a6c003f1c324c3bfa53259162181a",

         "network": "Ethereum (ERC20)"

```
  },

  "role": "user"

}
```

Status Code: 200OK

5. Delete Item

Endpoint: DELETE/users/{id}

Description: Deletes an item.

Eg: id=208

Status Code: 200OK

Error Handling

The API uses standard HTTP status codes to indicate errors.

Example Error Response:

```
{

  "message": "User with id '1000' not found

}
```

Status Code: 404Not Found

2. Postman Collection

LINK:
https://www.postman.com/hari-krishna-f7601aa6-688864/workspace/api-testing-fundamentals-postman/collection/50127751-36a3ddd4-c816-468a-84cb-df21b3de9175?action=share&source=copy-link&creator=50127751

3.TEST CASES

LINK :

https://my.bugasura.io/hk/hari/testCases