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/users

Endpoints

1. Get All Items

Endpoint: 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"

  }

2. Get Item by ID

Endpoint: users/{id}

Description: Retrieves details of a specific item.

Response:

{

  "id": 2,

  "firstName": "Michael",

  "lastName": "Williams",

  "maidenName": "",

  "age": 36,

"gender": "male",

"email": "michael.williams@x.dummyjson.com",

"phone": "+49 258-627-6644",

"username": "michaelw",

"password": "michaelwpass",

"birthDate": "1989-8-10",

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

"bloodGroup": "B+",

"height": 186.22,

"weight": 76.32,

"eyeColor": "Red",

"hair": {

  "color": "Green",

  "type": "Straight"

},

"ip": "12.13.116.142",

"address": {

  "address": "385 Fifth Street",

  "city": "Houston",

  "state": "Alabama",

  "stateCode": "AL",

  "postalCode": "38807",

  "coordinates": {

    "lat": 22.815468,

      "lng": 115.608581

    },

    "country": "United States"

  },

  "macAddress": "79:15:78:99:60:aa",

  "university": "Ohio State University",

  "bank": {

    "cardExpire": "01/30",

    "cardNumber": "3530633803003665",

    "cardType": "JCB",

    "currency": "USD",

    "iban": "DE26362283149158045865"

  },

  "company": {

    "department": "Support",

    "name": "Spinka - Dickinson",

    "title": "Support Specialist",

    "address": {

      "address": "395 Main Street",

      "city": "Los Angeles",

      "state": "New Hampshire",

      "stateCode": "NH",

      "postalCode": "73442",

      "coordinates": {

```json
        "lat": 79.098326,

        "lng": -119.624845

      },

      "country": "United States"

    }

  },

  "ein": "912-602",

  "ssn": "108-953-962",

  "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Edge/97.0.1072.76 Safari/537.36",

  "crypto": {

    "coin": "Bitcoin",

    "wallet": "0xb9fc2fe63b2a6c003f1c324c3bfa53259162181a",

    "network": "Ethereum (ERC20)"

  },

  "role": "admin"

}
```

3. Create Item

Endpoint: users/add

Description: Creates a new item.

Request Body:

```json
{

  "id": 209,

  "firstName": "HARI",
```

```json
  "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",
```

```json
      "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"

}
```

Response:

```
{
  "success": true,
  "message": "successful POST request",
  "id": "209"
}
```

4. Update Item

Endpoint: users/{id}

Description: Updates an existing item.

Request Body:

```
{
    "id": 208,
    "firstName": "HARI",
    "lastName": "Williams",
    "maidenName": "",
    "age": 36,
    "gender": "male",
    "email": "michael.williams@x.dummyjson.com",
    "phone": "+49 258-627-6644",
    "username": "michaelw",
    "password": "michaelwpass",
    "birthDate": "1989-8-10",
    "image": "https://dummyjson.com/icon/michaelw/128",
    "bloodGroup": "B+",
    "height": 186.22,
    "weight": 76.32,
    "eyeColor": "Red",
    "hair": {
```

        "color": "Green",

        "type": "Straight"

    },

    "ip": "12.13.116.142",

    "address": {

        "address": "385 Fifth Street",

        "city": "Houston",

        "state": "Alabama",

        "stateCode": "AL",

        "postalCode": "38807",

        "coordinates": {

            "lat": 22.815468,

            "lng": 115.608581

        },

        "country": "United States"

    },

    "macAddress": "79:15:78:99:60:aa",

    "university": "Ohio State University",

    "bank": {

        "cardExpire": "01/30",

        "cardNumber": "3530633803003665",

        "cardType": "JCB",

        "currency": "USD",

        "iban": "DE26362283149158045865"

    },

    "company": {

        "department": "Support",

        "name": "Spinka - Dickinson",

        "title": "Support Specialist",

        "address": {

            "address": "395 Main Street",

            "city": "Los Angeles",

            "state": "New Hampshire",

            "stateCode": "NH",

            "postalCode": "73442",

            "coordinates": {

                "lat": 79.098326,

                "lng": -119.624845

            },

            "country": "United States"

        }

    },

    "ein": "912-602",

    "ssn": "108-953-962",

    "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Edge/97.0.1072.76 Safari/537.36",

    "crypto": {

        "coin": "Bitcoin",

        "wallet": "0xb9fc2fe63b2a6c003f1c324c3bfa53259162181a",

```
      "network": "Ethereum (ERC20)"

   },

   "role": "admin"

}
```

Response:

```
{
   "success": true,
   "message": "successful PUT request"
 }
```

5. Delete Item

Endpoint: user/{id}

Description: Deletes an item.

Response:

```
{
   "success": true,
   "message": "Successful DELETE request"
 }
```

Error Handling

The API uses standard HTTP status codes to indicate errors.

Example Error Response:

```
{

   "message": "User with id '1000' not 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://docs.google.com/spreadsheets/d/1lm3o5SHnlVZk2C9oqILcBBO6Rr-wUh9Uedrb-RRA1n8/edit?gid=0#gid=0