

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: /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: /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": 30.267183, "lon": -97.743082  
            }  
        }  
    }  
}
```

```
        "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: /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": "California",  
            "zip": "94103",  
            "lat": 37.7749, "lon": -122.4194  
        }  
    }  
}
```

```
        "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: / 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: /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>