

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": "emilypass",  
"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": -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": "emilypass",  
"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: / 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>