

API Testing Practice with Newman Report Generation

Base_Url: <https://thetestingworldapi.com>

Get Student

METHOD: GET

STATUS CODE: 200

Request URL: baseUrl/api/studentsDetails

Response: [

```
{
  "id": 526717,
  "first_name": "Anna",
  "middle_name": "Banana",
  "last_name": null,
  "date_of_birth": "12/23/1990"
},
{
  "id": 526716,
  "first_name": "sample ",
  "middle_name": "sample ",
  "last_name": "sample ",
  "date_of_birth": "sample "
},
{
  "id": 526715,
  "first_name": "Anna",
  "middle_name": "Banana last_name=Uzumaki",
  "last_name": null,
  "date_of_birth": "12/23/1990"
},
.....
]
```

1. Write a test case for Status Code Validation
2. Check the length of the response.

Create Student

METHOD: POST

STATUS CODE: 201

Request URL: baseUrl/api/studentsDetails

Body

```
{
  "first_name": "sample string 2",
  "middle_name": "sample string 3",
  "last_name": "sample string 4",
  "date_of_birth": "sample string 5"
}
```

Response: {

```
  "id": 526718,
  "first_name": "sample string 2",
  "middle_name": "sample string 3",
  "last_name": "sample string 4",
  "date_of_birth": "sample string 5"
}
```

1. Write a test case for Status Code Validation.

Get Specific Student

METHOD: GET

STATUS CODE: 200

Request URL: baseUrl/api/studentsDetails/id

Response: {

```
  "status": "true",
  "data": {
    "id": 526716,
    "first_name": "sample ",
    "middle_name": "sample ",
    "last_name": "sample ",
    "date_of_birth": "sample "
  }
}
```

1. Write a test case for Status Code Validation.
2. Write a test case for (id, first name, middle name, last name, date of birth) field value validation.

Create Technical Skills

METHOD: POST

STATUS CODE: 200

Request Url:

baseUrl/api/technicalskills

Body

```
{
  "id": 1,
  "language": [
    "sample string 1",
    "sample string 2"
  ],
  "yearexp": "sample string 2",
  "lastused": "sample string 3",
  "st_id": id
}
```

Response: {

```
  "status": "true",
  "msg": "Add data success"
}
```

1. Write a test case for Status Code Validation.

Create Student Address

METHOD: POST

STATUS CODE: 200

Request URL: baseUrl/api/addresses

Body

```
{
  "Permanent_Address": {
    "House_Number": "sample string 1",
    "City": "sample string 2",
    "State": "sample string 3",
    "Country": "sample string 4",
    "PhoneNumber": [
      {
        "Std_Code": "sample string 1",
        "Home": "sample string 2",
        "Mobile": "sample string 3"
      }
    ],
  },
}
```

```
]
},
"stId": id
}
```

Response: {

```
  "status": "true",
  "msg": "Add data success"
}
```

1. Write a test case for Status Code Validation.
2. Write a test case for status and message field value validation.

FINAL STUDENT DETAILS

METHOD: GET

STATUS CODE: 200

Request URL: baseUrl/api/FinalStudentDetails/id

Response:

```
{
  "status": "true",
  "data": {
    "first_name": "test",
    "middle_name": "123",
    "last_name": "sample string 4",
    "date_of_birth": "sample string 5",
    "TechnicalDetails": [
      {
        "id": 89801,
        "language": [
          "sample string 1",
          "sample string 2"
        ],
        "yearexp": "sample string 2",
        "lastused": "sample string 3",
        "st_id": "4165425"
      }
    ],
    "Address": [
```

```

{
  "Permanent_Address": {
    "House_Number": "sample string 1",
    "City": "sample string 2",
    "State": "sample string 3",
    "Country": "sample string 4",
    "PhoneNumber": [
      {
        "Std_Code": "101020",
        "Home": "Dhaka",
        "Mobile": "123456789"
      },
      {
        "Std_Code": "sample string 1",
        "Home": "sample string 2",
        "Mobile": "sample string 3"
      }
    ]
  },
  "Current_Address": null,
  "stId": "4165425"
}
]
}
}

```

1. Write a test case for Status Code Validation.
2. Write a test case for (Language, Year of Experience, House Number, City, Country, Mobile, Current Address) field value validation.