**Dot Net Test 1**

**Teknorix Jobs API**

**Technologies used**

.Net Web api

SQL Server 2017

**Tools used**

Visual Studio 2013 - For developing API

Postman – For testing API

**Prerequisites**

Execute the scripts and stored procedures provided in the DB scripts folder (Have used master database)

.Make necessary changes to web.config under connectionString .

Execute/Host the API and test using Postman

**Sample request response**

Get Locations Request

<http://localhost:54833/api/Locations>

Response

[

    {

        "$id": "1",

        "Id": 1,

        "Title": "US Head Office",

        "City": "Baltimore",

        "State": "MD",

        "Country": "United States",

        "Zip": "21202"

    },

    {

        "$id": "2",

        "Id": 2,

        "Title": "India Office",

        "City": "Pune",

        "State": "MH",

        "Country": "India",

        "Zip": "40051"

    },

    {

        "$id": "3",

        "Id": 4,

        "Title": "UK Office",

        "City": "London",

        "State": "UK",

        "Country": "United Kingdom",

        "Zip": "78970"

    },

    {

        "$id": "4",

        "Id": 6,

        "Title": "Mumbai Dev Center",

        "City": "Mumbai",

        "State": "MH",

        "Country": "India",

        "Zip": "40051"

    }

]

Get Departments Request

<http://localhost:54833/api/Departments/>

Response

[

    {

        "$id": "1",

        "Id": 1,

        "Name": "IT"

    },

    {

        "$id": "2",

        "Id": 2,

        "Name": "HR"

    },

    {

        "$id": "3",

        "Id": 3,

        "Name": "Admin"

    },

    {

        "$id": "4",

        "Id": 4,

        "Name": "Finance"

    },

    {

        "$id": "5",

        "Id": 5,

        "Name": "Operations"

    }

]

Get Jobs Request

{

  "searchString": "",

  "pageNo": 1,

  "pageSize": 2,

  "locationId": 2,

  "departmentId": 1

}

Response

{

    "$id": "1",

    "total": 2,

    "data": [

        {

            "$id": "2",

            "id": 1,

            "code": "JOB-1",

            "title": "Software Developer",

            "location": "India Office",

            "department": "IT",

            "postedDate": "2022-05-02T22:42:13.297",

            "closingDate": "2022-05-20T22:40:34.307"

        },

        {

            "$id": "3",

            "id": 2,

            "code": "JOB-2",

            "title": "QA Tester",

            "location": "India Office",

            "department": "IT",

            "postedDate": "2022-05-02T22:42:50.503",

            "closingDate": "2022-05-20T22:40:34.307"

        }

    ]

}