Sample Project API Documentation

1. Introduction

This Application has been designed in Spring Boot and deployed on Apache Tomcat. This application is deployed on 10.10.0.103 server.

2. Building Applications with this API

3. API functions

- Azure Login with JWT
- CRUD Operation
- File Upload & Donload

3. API URL

Methods	Urls	Actions
POST	/api/auth/ signin	login with azure account
POST	/api/auth/signout	logout the account
GET	/api/post	retrieve Post data
GET	/api/post/{id}	retrieve post by id
POST(form-data)	/api/post/user	Create Post
POST(form-data)	/api/post/{id}	Update Post data by id
DELETE	/api/post/{id}	Delete Post data by id

1. Login With Azure (Microsoft Authentication Library)

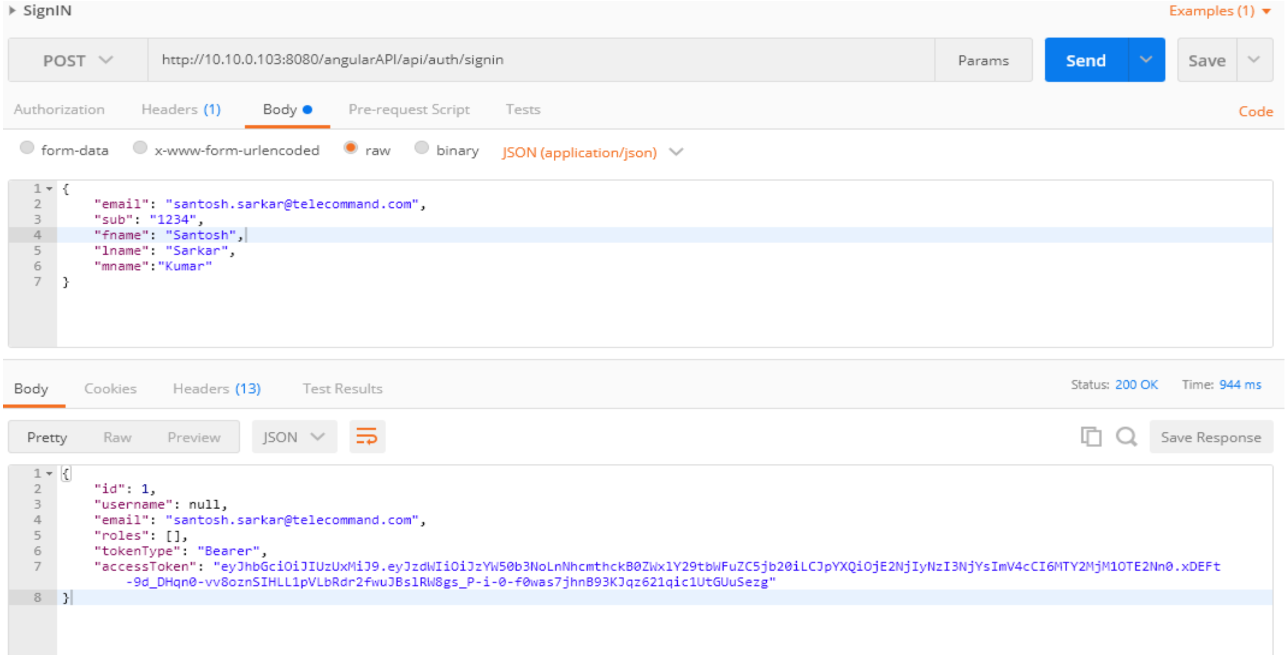
HTTP Method: POST
URL: http://10.10.0.103:8080/angularAPI/api/auth/signin
Description: The Sentiment Analysis
Request Parameters:

Parameter Name	Description
email	
sub	
fname	
lname	
mname	

JSON Response:

```
{
   "id": 1,
   "username": null,
   "email": "santosh.sarkar@telecommand.com",
   "roles": [],
   "tokenType": "Bearer",
   "accessToken": 
"eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJzYW50b3NoLnNhcmthckB0ZWxlY29tbWFuZC5jb20iLCJpYXQiOjE2NjIyNzI3NjYsImV4cCI6MTY2MjM1OTE2Nn0.xDEFt-9d_DHqn0-vv8oznSIHLL1pVLbRdr2fwuJBslRW8gs_P-i-0-f0was7jhnB93KJqz621qic1UtGUuSezg"
}
```

Example:



http://10.10.0.103:8080/angularAPI/api/auth/signin

```
{
    "email": "santosh.sarkar@telecommand.com",
    "sub": "1234",
    "fname": "Santosh",
    "lname": "Sarkar",
    "mname":"Kumar"
}
```

Status: 200 OK Time: 944 ms

```
{
    "id": 1,
    "username": null,
    "email": "santosh.sarkar@telecommand.com",
    "roles": [],
    "tokenType": "Bearer",
    "accessToken": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJzYW50b3NoLnNhcmthckB0ZWxlY29tbWFuZC5jb20iLCJpYXQiOjE2NjIyNzI3NjYsImV4cCI6MTY2MjM1OTE2Nn0.xDEFt
        -9d_DHqn0-vv8oznSIHLL1pVLbRdr2fwuJBslRW8gs_P-i-0-f0was7jhnB93KJqz621qic1UtGUuSezg"
}
```

2. Fetching All Post

HTTP Method: GET
URL: http://10.10.0.103:8080/angularAPI/api/post/
Description: The Sentiment Analysis

JSON Response:

```
{
  "data": [
    {
      "id": 6,
      "title": "Funding Overview",
      "body": "Before You Apply: Technical Difficulties Regarding an",
      "published": false,
      "email": "aush@gmail.com",
      "project": "Located in downtown",
      "organisation": "Telcommand",
      "file": null,
      "postFiles": []
    },
    {
      "id": 12,
      "title": "Innovation Initiative",
      "body": " It helps everyone in the team of organization identify what the project ",
      "published": true,
      "email": "Tayler.45@telecommand.com",
      "project": "Performance Measure",
      "organisation": "Hq Softwere Consultant",
      "file": "Certfication.PNG",
      "postFiles": [
        {
          "id": 4,
          "fileName": "Certfication.PNG"
        }
      ]
    }
  ],
  "message": "Successfully retrieved data!",
  "status": 200
}
```

3. Creating Post

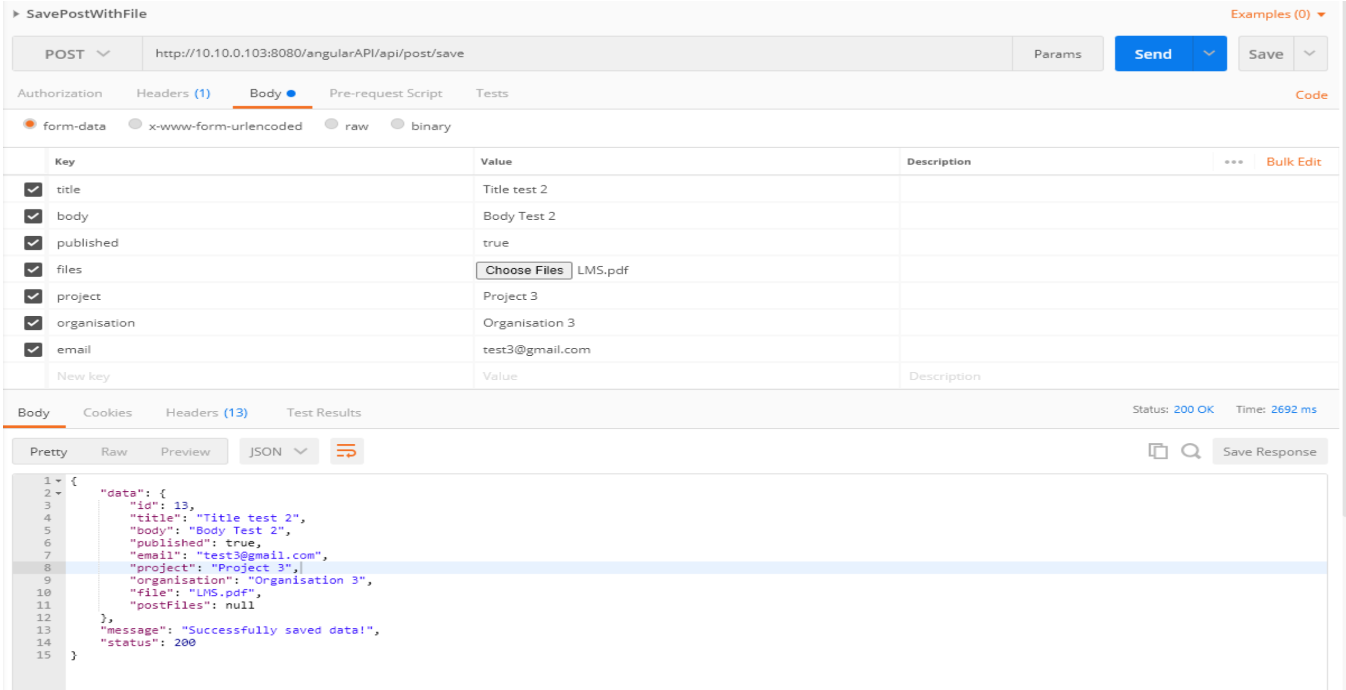
HTTP Method: POST
URL: http://10.10.0.103:8080/angularAPI/api/post/save
Description: This request should be sent on form Data.
Request Parameters:

Parameter Name	type	Description
title	text	
body	text	
project	text	
organisation	text	
email	text	
files	file	
published	boolean	

JSON Response:

```
{
  "data": {
    "id": 13,
    "title": "Title test 2",
    "body": "Body Test 2",
    "published": true,
    "email": "test3@gmail.com",
    "project": "Project 3",
    "organisation": "Organisation 3",
    "file": "LMS.pdf",
    "postFiles": null
  },
  "message": "Successfully saved data!",
  "status": 200
}
```

Example:



POST http://10.10.0.103:8080/angularAPI/api/post/save

● form-data ○ x-www-form-urlencoded ○ raw ○ binary

	Key	Value	Description
☑	title	Title test 2	
☑	body	Body Test 2	
☑	published	true	
☑	files	Choose Files LMS.pdf	
☑	project	Project 3	
☑	organisation	Organisation 3	
☑	email	test3@gmail.com	
	New key	Value	Description

Status: 200 OK Time: 2692 ms

```
{
    "data": {
        "id": 13,
        "title": "Title test 2",
        "body": "Body Test 2",
        "published": true,
        "email": "test3@gmail.com",
        "project": "Project 3",
        "organisation": "Organisation 3",
        "file": "LMS.pdf",
        "postFiles": null
    },
    "message": "Successfully saved data!",
    "status": 200
}
```

4. Updating Post

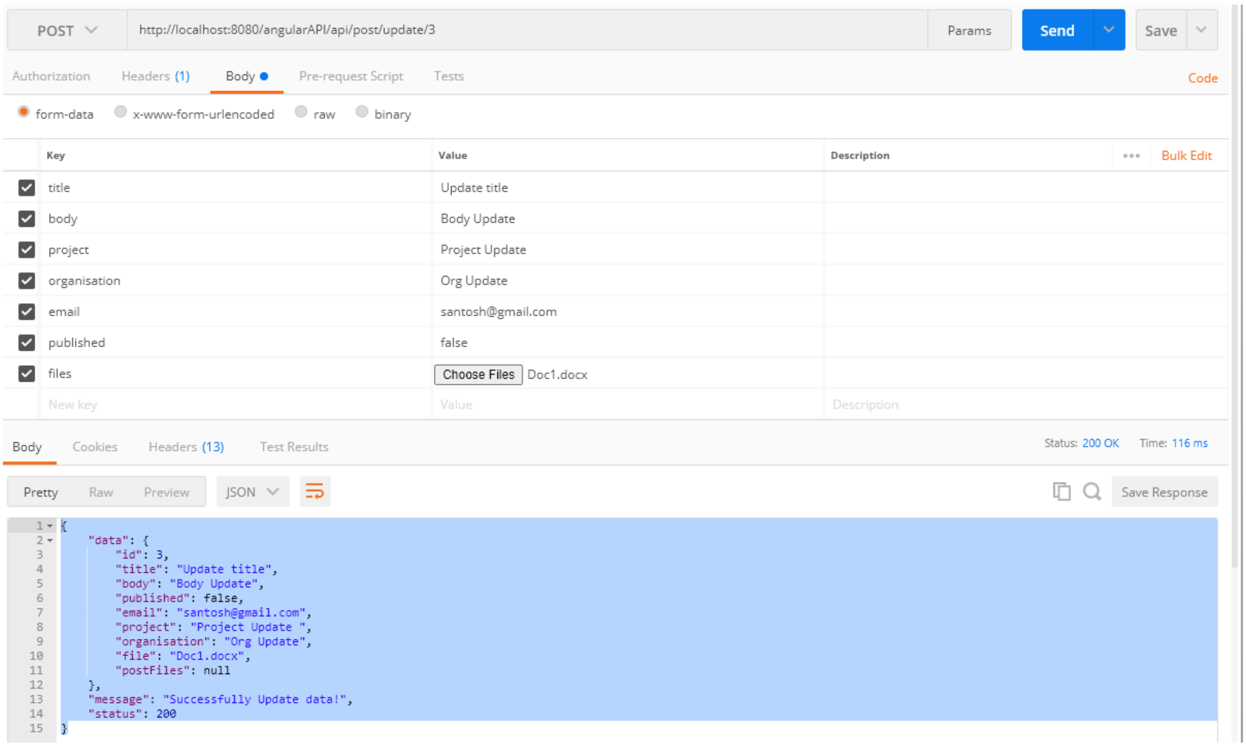
HTTP Method: POST
URL: http://10.10.0.103:8080/angularAPI/api/post/update/3
Description: This request should be sent on form Data.
Request Parameters:

Parameter Name	type	Description
title	text	
body	text	
project	text	
organisation	text	
email	text	
files	file	
published	boolean	

JSON Response:

```
{
   "data": {
      "id": 3,
      "title": "Update title",
      "body": "Body Update",
      "published": false,
      "email": "santosh@gmail.com",
      "project": "Project Update ",
      "organisation": "Org Update",
      "file": "Doc1.docx",
      "postFiles": null
   },
   "message": "Successfully Update data!",
   "status": 200
}
```

Example:



http://localhost:8080/angularAPI/api/post/update/3

● form-data ○ x-www-form-urlencoded ○ raw ○ binary

	Key	Value	Description
☑	title	Update title	
☑	body	Body Update	
☑	project	Project Update	
☑	organisation	Org Update	
☑	email	santosh@gmail.com	
☑	published	false	
☑	files	Choose Files Doc1.docx	
	New key	Value	Description

Status: 200 OK Time: 116 ms

```
{
    "data": {
        "id": 3,
        "title": "Update title",
        "body": "Body Update",
        "published": false,
        "email": "santosh@gmail.com",
        "project": "Project Update ",
        "organisation": "Org Update",
        "file": "Doc1.docx",
        "postFiles": null
    },
    "message": "Successfully Update data!",
    "status": 200
}
```

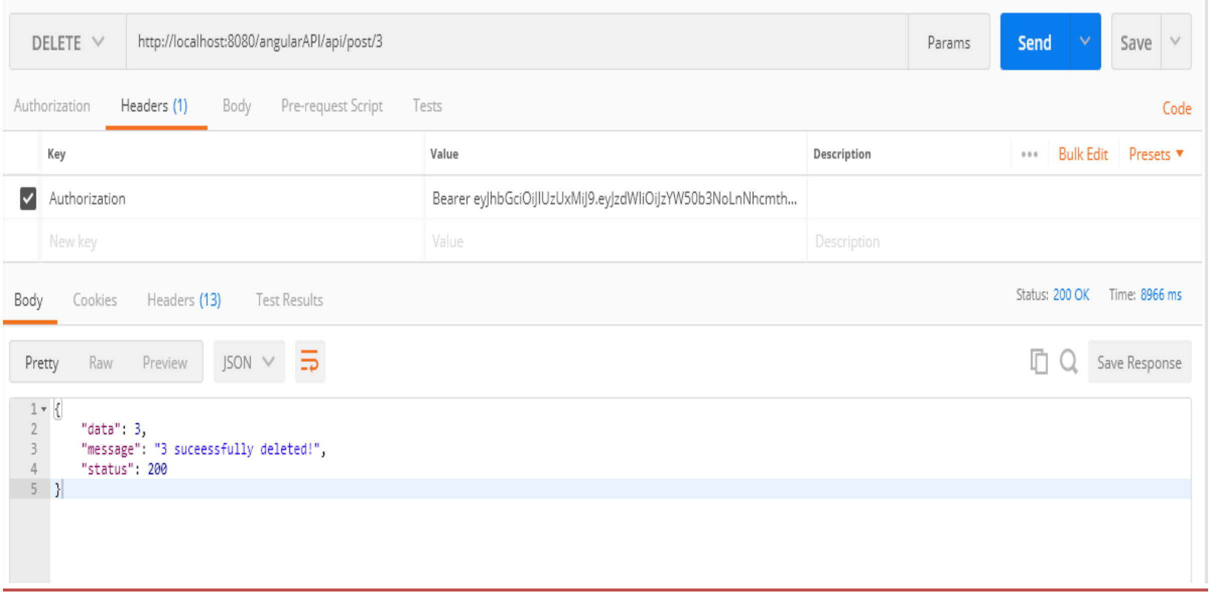
4. Delete Post

HTTP Method: DELETE
URL: http://10.10.0.103:8080/angularAPI/api/post/3
Description: This request will delete the Data.

JSON Response:

```
{
    "data": 3,
    "message": "Data 3 successfully deleted!",
    "status": 200
}
```

Example:



http://localhost:8080/angularAPI/api/post/3

	Key	Value	Description
☑	Authorization	Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJzYW50b3NoLnNhcmth...	
	New key	Value	Description

Status: 200 OK Time: 8966 ms

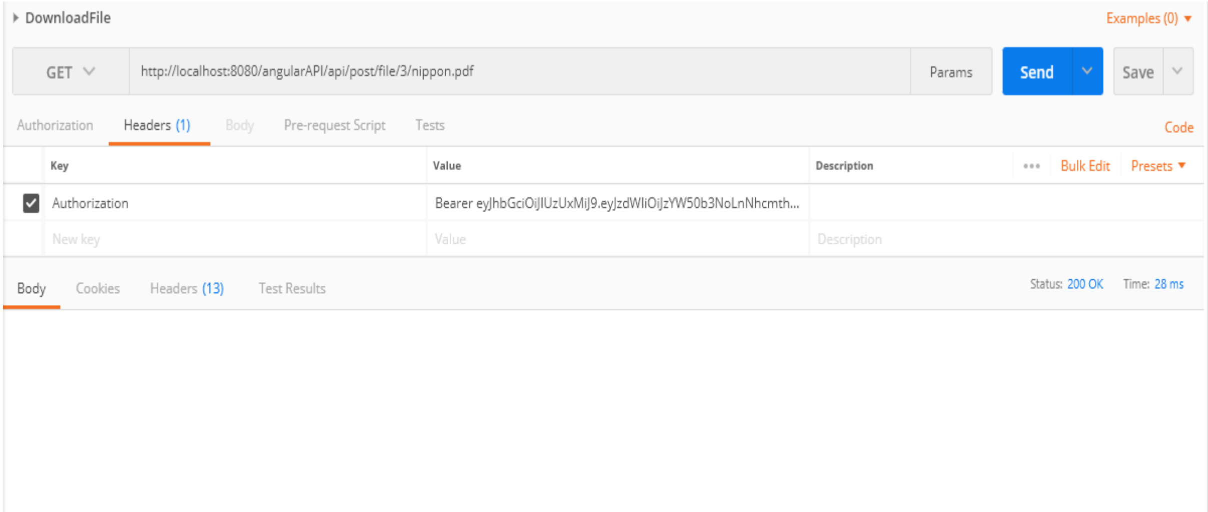
```
{
    "data": 3,
    "message": "3 suceessfully deleted!",
    "status": 200
}
```

5. File Download

HTTP Method: GET
URL: http://10.10.0.103:8080/angularAPI/api/post/file/3/nippon.pdf
Description: This request should be Get.
Request Parameters:

Parameter Name	type	Description
id	number	On URL parameters
filename	text	On URL parameters

Example:



DownloadFile

GET http://localhost:8080/angularAPI/api/post/file/3/nippon.pdf

	Key	Value	Description
☑	Authorization	Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJzYW50b3NoLnNhcmth...	
	New key	Value	Description

Status: 200 OK Time: 28 ms