REST API
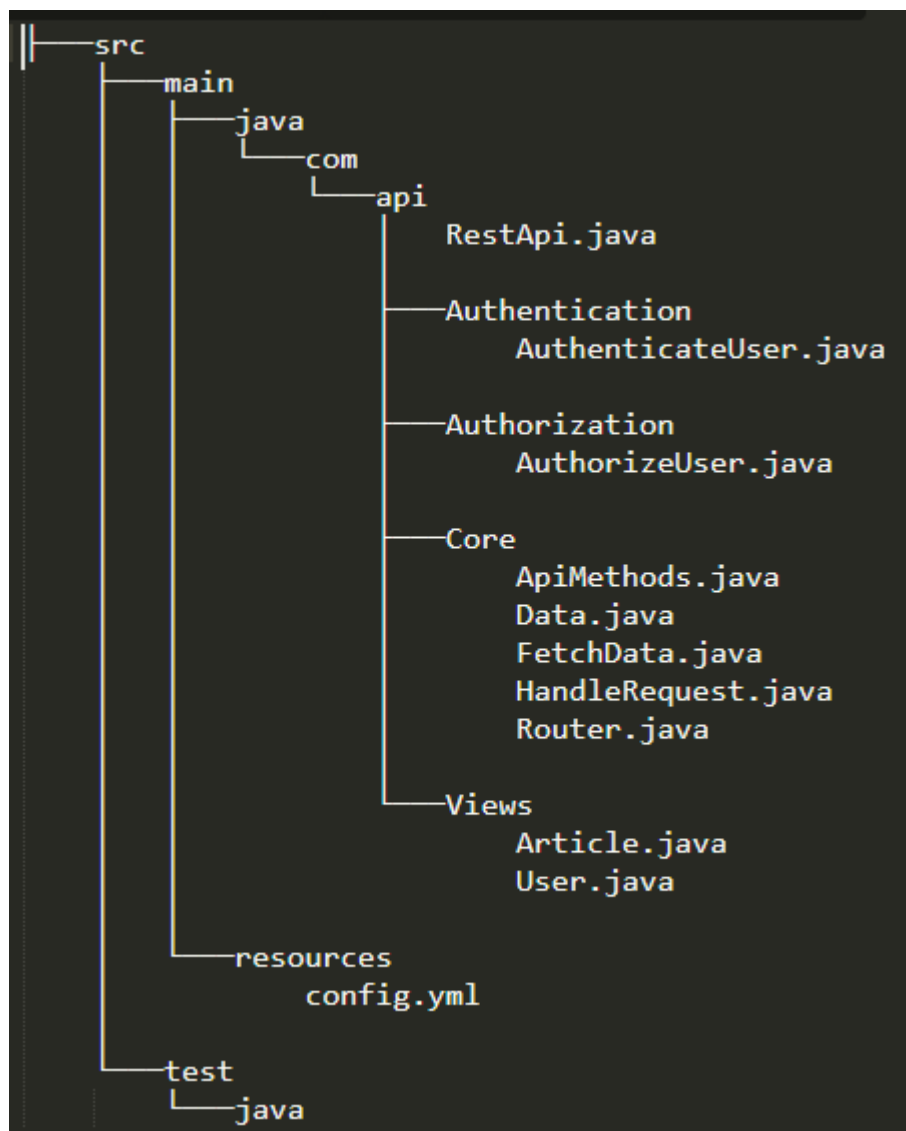
This is a REST Api for articles written about war. The REST Api is built with Dropwizard.

Table of Contents

1. Directory Structure

```
├──src
│   └──main
│       ├──java
│       │   └──com
│       │       └──api
│       │               RestApi.java
│       │
│       │           ├──Authentication
│       │           │       AuthenticateUser.java
│       │           │
│       │           ├──Authorization
│       │           │       AuthorizeUser.java
│       │           │
│       │           ├──Core
│       │           │       ApiMethods.java
│       │           │       Data.java
│       │           │       FetchData.java
│       │           │       HandleRequest.java
│       │           │       Router.java
│       │           │
│       │           └──Views
│       │                   Article.java
│       │                   User.java
│       │
│       └──resources
│               config.yml
│
└──test
    └──java
```

2 Credentials

Authentication : **BasicAuth**

username	Password
guest	guest123
admin	admin123

3. Usage

API Methods implemented are

3.1. GET

3.2. PUT

3.3. POST

3.4. DELETE

Username and Password is mandatory for making any API call.

3.1 GET Method

GET : https://localhost:9000/

GET : https://localhost:9000/{id}

Role	Accessible
Guest	✅
Admin	✅

Returns

```
{
    "id1":title of article1
    "id2":title of article2
    "id3":title of article3
    .
    .
    "idN": title of articleN
}

OR
```

```
    {
        "id": id of article
        "title": title of article
        "content": content of article
    }

  Based on aboved mentioned URL's
```

3.2 PUT Method

PUT : https://localhost:9000/{article_id}

Role	Authorized
Guest	✖
Admin	✔

Sample Payload

```
  {
      "title":"Kosovo War",
      "content":"KLA vs FR Yugoslavia 1998-1999"
  }
```

Returns

```
  1. Upon successful update

      {
          "Status" : "SUCCESS"
      }

  2. Incase of unsuccessful update (possibly due to incorrect fields in json data or
  empty content or invalid article id )

      {
          "Status" : "FAILURE",
          "Message":"Please validate your data"
      }
```

3.3 POST Method

POST : https://localhost:9000/

Role	Authorized
Guest	❌
Admin	✅

Sample Payload

```
{
    "title":"Kosovo War",
    "content":"KLA vs FR Yugoslavia 1998-1999"
}
```

id is automatically assigned by Api.

Returns

```
1. Upon successful insertion

    {
        "Status" : "SUCCESS"
    }

2. Incase of unsuccessful insertion (possibly due to incorrect fields in json data
or empty content)

    {
        "Status" : "FAILURE",
        "Message":"Please validate your data"
    }
```

3.4 DELETE Method

DELETE : https://localhost:9000/{article_id}

Role	Authorized
Guest	❌
Admin	✅

Returns

```
1. Upon successful deletion

   {
       "Status" : "SUCCESS"
   }

2. Incase of unsuccessful deletion or invalid article id

   {
       "Status" : "FAILURE",
       "Message":"Please validate your data"
   }
```