Backend Technical Test

## Feature covered in example

1. **Apache Camel**

I have used apache camel to create API

MyRoute.java class register route into camel context.

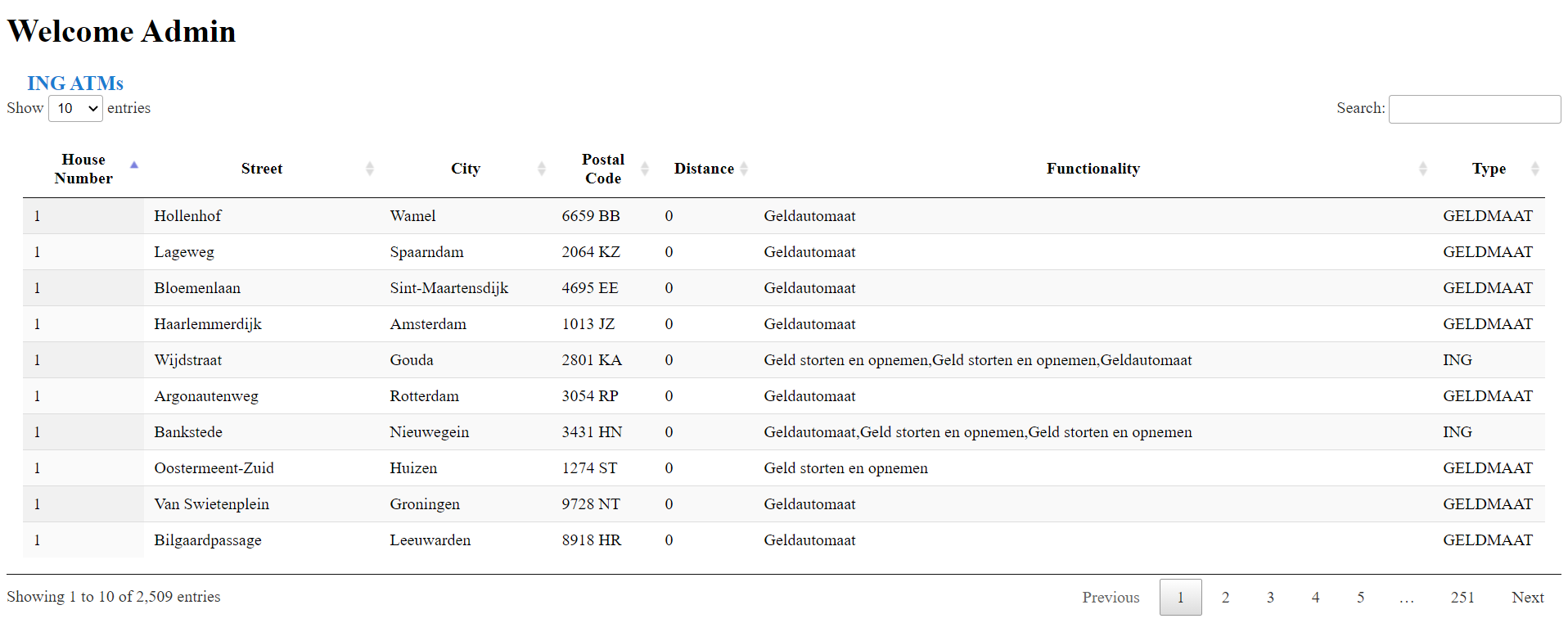
Client (in my case index.html) will call this API **camel/locator/atms.**

Camel API will call external API to get ATMs data, parse those data into Java object and

Write parsed object to response body.

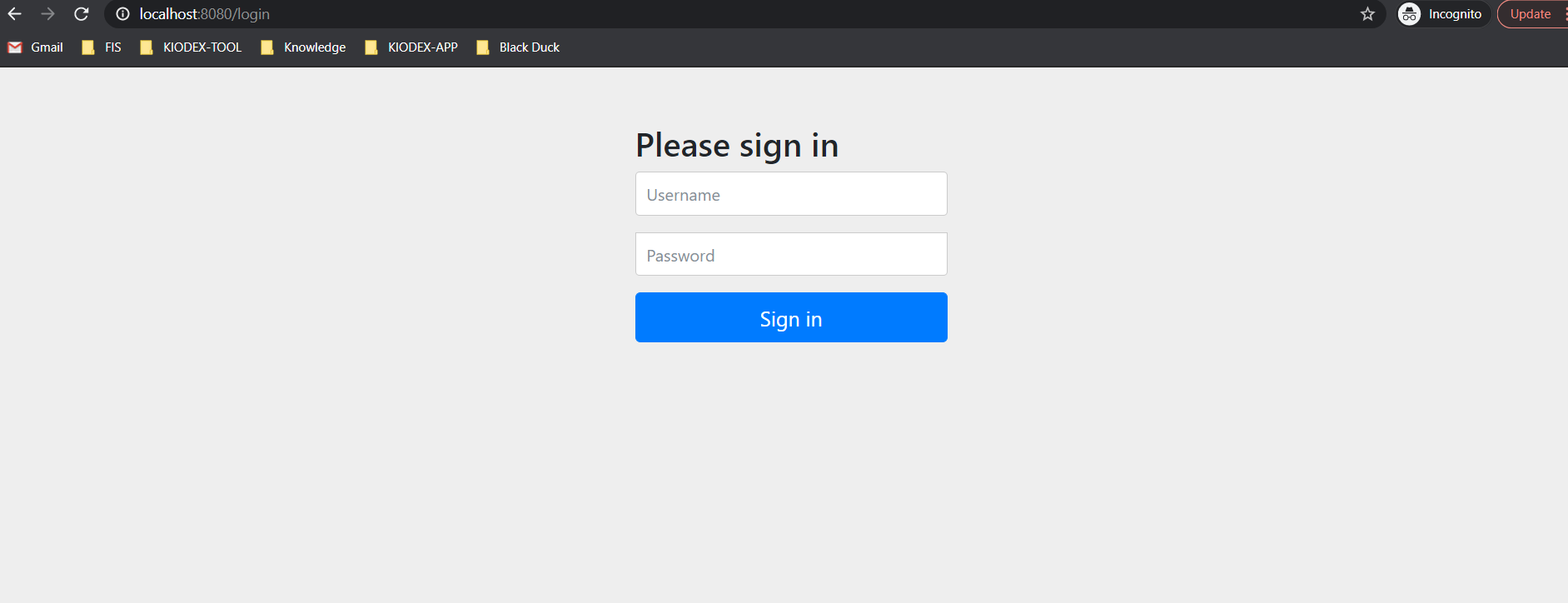
1. **UI Page**

I have added one page on UI (index.html) in which I have integrated Jquery Datatable to render ATM data.



1. **Sprint security**

I have added base authentication feature to validate user authenticity.



To login use below credentials:

Username : admin

Password : admin@123

## Project Version and IDE Details

|  |  |
| --- | --- |
| Sprint boot | 2.4.0 |
| Java | 1.8 |
| Tomcat | 9.0 |
| IDE | intellij |

## Generate Executable War file

Execute Command: mvn clean package

This will generate following war file in the target/ directory.

atm-locator-0.0.1-SNAPSHOT.war

1. **Run war as java -jar command**

java -jar atm-locator-0.0.1-SNAPSHOT.war

Default port of application is assigned to 9191

## Test App in Embedded Tomcat

Go to [http://localhost:9191/](http://localhost:9191/atm-locator-0.0.1-SNAPSHOT/)

It will ask Username and Password. Enter following credentials as user name Password.

**UserName**: admin

**Password**: admin@123

After successful login. It will be redirected to the ATM location table page.

1. **Run war in tomcat 9**

* Go to tomcat homepage
* Click on Manager App and login to that Manager App Console
* In Manager UI, Under War file to deploy. Upload war file that you want to deploy
* By clicking on deploy button. App will be deployed

## Test App in Tomcat

Go to <http://localhost:8080/atm-locator-0.0.1-SNAPSHOT/>

It will ask Username and Password. Enter following credentials as user name Password.

**UserName**: admin

**Password**: admin@123

After successful login. It will be redirected to the ATM location table page.