# Codebase for Weather Application using spring boot + Basic Authentication+Feign Client + Swagger3 +WireMock + Jacoco

## **Steps to run this project:**

## **Clone this Git repository.**

## **Navigate to the folder weather-app.**

## **Run mvn clean install to build the war file in your local machine.**

## **To start the application, execute mvn spring-boot:run and access**[**http://localhost:8080/healthCheck**](http://localhost:8080/healthCheck)

## **Basic Authentication Username:testUser Password:testPassword**

## **Link to SWAGGER:**[**http://localhost:8080/swagger-ui/index.html**](http://localhost:8080/swagger-ui/index.html)

## **GET:/weather/details- Get weather Details by latitude and longitude. For e.g:**[**http://localhost:8080/weather/details?latitude=33.44&longitude=151.20**](http://localhost:8080/weather/details?latitude=33.44&longitude=151.20)

## **GET:/weather/details/location- Get weather Details by latitude and longitude. For e.g:**[**http://localhost:8080/weather/details/location?location=sydney**](http://localhost:8080/weather/details/location?location=sydney)

## **Import the WeatherAPI.collections file to see sample requests**

## **To see the Jacoco results for checking code coverage, perform step 3 and go to target/site/jacoco/index.html and open in browser.**

## **Sequence Diagram:**

A diagram of a weather application

Description automatically generated