

Weather API install and user instructions

Requirements:

- Java 17
- Spring Framework 6.0.10 or above

Install and run instructions:

1. Configure project.

Open src/main/resources/application.properties file and set values for server address and port. Default values are localhost and 8080.

2. Build project with maven.

Included script mvnw could be used to build project and maven installed is not required. To build project use commands:

For Unix systems:

```
./mvnw clean install
```

For Windows:

```
mvnw.cmd clean install
```

3. Start service

To run project go to project directory and use the following command:

```
java -jar target/weatherapi-1.0.jar
```

For correct run it should be logged at the end of terminal output message similar to this:

```
023-06-29T05:47:27.971+02:00 INFO 815682 --- [          main]
c.e.weatherapi.WeatherCommandLineRunner : Weather in Warszawa is:
temperature warm, insolation cloudy
```

User instructions:

Weather Api after running is available by http as a REST Service.

Request :

Http address for the request is

```
http://{server.address}:{server.port}/weatherapi/v1/current?  
apiKey={weatherapi.key}&city={city}
```

where:

server.address, server.port, weatherapi.key - parameters from application.properties file
city - is the name of city we checked the weather in. Spaces should be replaced to %20

Example request is the following:

<http://localhost:8080/weatherapi/v1/current?apiKey=testKey&city=Biała%20Podlaska>

Response :

Response is JSON that consists of two fields:

temperature – possible values are warm and cold

insolation – possible values are bright and cloudy

example response is:

```
{"temperature":"warm","insolation":"bright"}
```