Java Case Study – Weather forecast

The task:

Using Java (1.8 or newer), create an API that will retrieve weather metrics of a specific city. Please use https://openweathermap.org/ to create a free account and retrieve the data for this case study.

The requirements:

✓ The API should produce a endpoint to retrieve the averages
✓ The endpoint should return a JSON object that gives the averages of the following metrics:

   o Average of daily (06:00 – 18:00) and nightly (18:00 – 06:00) temperatures in Celsius for the next 3 days from today's date.
   o Average of pressure for the next 3 days from today's date.

✓ The endpoint must include a CITY parameter containing the city's name as the input for the correct response.
✓ You must use full REST API conventions. Correct error codes must be returned when necessary.
✓ We recommend you to use Spring Boot.
✓ You must include unit tests.
✓ There must be a README file describing the process to run and test the API. ✓ There are many ways to solve this task, so please include in the README file your reasoning and motivations behind your code, including why you chose to solve any challenges in the way you did