

Goal of the Challenge

You have a Java project where some functionalities are missing. Project has a JSON file which contains information about cities and their descriptions. We need you implement a solution to search for cities by providing a search key. Search key will check the descriptions in JSON file and return a set of results.

We already created a basic Maven project with some configuration and dummy class. You need to use already existing structure or you need to find new ways to solve the challenge.

Goal 1: You need to implement a search algorithm for the provided set of data under the `DataReader` class.

Goal 2: Add JUnit test cases to validate your solution. You need to cover positive and negative scenarios.

Goal 3: Add a ReadMe file on how to run the project.

Extra: Add CI/CD support to trigger build after each commit in GitHub.

You are free to choose any library to solve the challenge, you are free to change any library you see in the project to some other library.

Add your solution to GitHub under a private repository. Share the project with devops@getqardio.com.

Good Luck!