Loveholidays Programming Challenge

The Problem

There is a website called **Programmable Web** (http://www.programmableweb.com) that lists a set of **Public APIs** that are free to use. Given this resource, find a suitable 3rd party address API and create a **small Spring Boot** application to retrieve the street address (and name if available) for the following **UK** postcodes:

- **W6 0LG**
- **SW1A 2AA**
- **BT48 6DQ**

Problem Constraints

- It must be written using **Java 8** and use **Spring Boot** and **Gradle**.
- You can use **any** 3rd party libraries to help achieve your task.
- You can use **any IDE** (or text editor) of your choice (**spaces**, **not tabs please**!)
- Please use **JSON** as the data format.

How to submit your answer

Create a **Github** or **Bitbucket** repo (we suggest **Bitbucket** as it has private repos - but you can choose whichever you are most comfortable with) and push your work to the repo. Once you have pushed your work, please send an email to "**programmer@loveholidays.com**" with your name as the subject line and the clone URL in the body. Someone at Loveholidays will clone your repo and review your code.

Time Limit

We expect this to take **no more** than **1 or 2 evenings** to do this challenge. Try to get your solution to us within **5 working days**.

How we evaluate your code

- It must solve the stated problem :-)
- When we come to clone your project, it shouldn't take an unreasonable amount of time (think 5 minutes) for us to get it to compile and run.
- Keep your solution **simple** - don't make it too complicated
- We look for **good** programming practices
  - **Nice layout** and **easy** to read
  - **Clear** separation of concerns
  - **Appropriate** use of objects / interfaces
    - But don't go **AbstractFactoryFactoryFactory** crazy!
- We **like** unit tests. We also recommend using a **mocking framework** for API calls.

Hint

- If you come in for a face-to-face interview, there will be a pairing exercise with a programmer here to extend your solution.