Full Stack Developer Tech Assignment

Write a RESTful service that calculates and returns all the prime numbers up to an including a number provided.

**Example**

The REST call should look like  http://your.host.com/primes/10  and should return JSON content:

{

  “Initial”:  “10

  “Priimes”: [2,3,5,7]

}

**Requirements**

The project must be written in Java 8 or above. (Done)

The project must use Maven OR Gradle to build, test and run. (Done)

The project must have unit and integration tests.

The project must run, in that the service should be hosted in a container e.g. Tomcat, Jetty, Spring Boot etc. (done)

You may use any frameworks or libraries for support e.g. Spring MVC, Apache CXF, Jackson etc. (done)

The project must be accessible from Github. (Done)

**Optional Extensions**

Consider supporting varying return content type such as XML based on requested media type. (Done)

Consider ways to improve performance e.g. caching, threading

Consider supporting multiple algorithms based on optional parameters

Consider adding API documentation

Consider packaging it as a runnable Docker image (done)