Java Technical Test

Bank details:

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| --- | --- | --- |
| Bank | Card number | Expiry date |
| HSBC Canada | 5601-2345-3446-5678 | Nov-2017 |
| Royal Bank of Canada | 4519-4532-4524-2456 | Oct-2017 |
| American Express | 3786-7334-8965-345 | Dec-2018 |

Using the information provided above as a guide, write a program built with Spring Boot that will output data based on the criteria provided below:

1. Sort the data by Expiry date in descending order
2. Replace card number after the first 4 digits with ‘x’, e.g. 5601-2345-3446-5678 becomes 5601-xxxx-xxxx-xxxx

You should wrap this code into a stand-alone web application which can be deployed / run in one of the following two ways:

1. directly from Maven (preferably using the Maven wrapper), or:
2. packaged as a WAR file that we can deploy into an application container such as Tomcat.

The end user should be able to enter the card data manually, one row at a time, or upload a CSV file with the columns in the order shown above. Inputted data need only be stored for the duration of the user’s session.

The results should be presented on a static web page that communicates with your application via an API, using whichever front end technology you prefer.

We will be using Java 8 to run the tests.

**NOTE:**

Your code should be shared on a public Git repository named ‘yourinitials\_DDMMYYYY’ e.g.PC\_16052019. We recommend using Github.or Bitbucket

It should include everything necessary to build the application, assuming the builder has JDK 8 installed. Please include a README file ensuring no sensitive information is shared but merely details about the application and specifics about its URL and instruction to run it.