

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 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 (using jetty), or:
2. packaged as a WAR file that we can deploy into an application container such as Tomcat. We will be using Java 7 to run the tests.

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 web page.

**NOTE:**

Your code should be shared on a public Git repository such as Github or Bitbucket.

It should include everything necessary to build the application, assuming the builder already has a JDK present, and a tool such as Maven or Ant installed.