COM S/SE 319 : Construction of User Interfaces
Fall 2021

Homework 4

[Total Points: 30]

Assignment Due: Monday, November 15th, 2021, 11:59 PM

In this homework, you will do automated testing for an HTML form and an AngularJS application.

Task 1 [25 points]: Validating functions of the **validation.html** in the source code file. You should provide 2 tests that automatically open a **Chrome** browser**,** one validates the use case that users input correctly and one verifies the use case that users input incorrect. The scenario of 2 use cases are shown in Figure 1 and Figure 2. In JUnit test, you **should make the tests pass.**

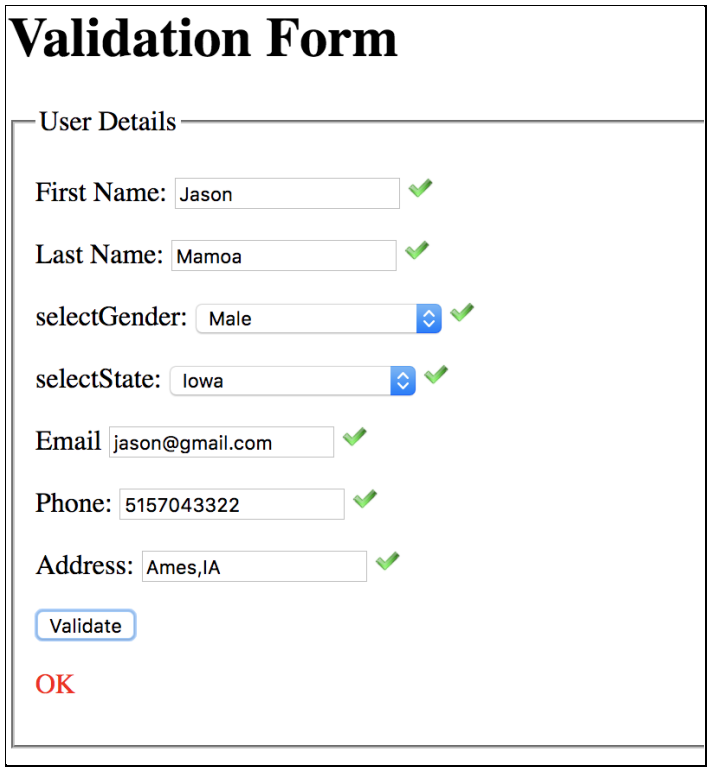

Figure 1. User inputs correctly.

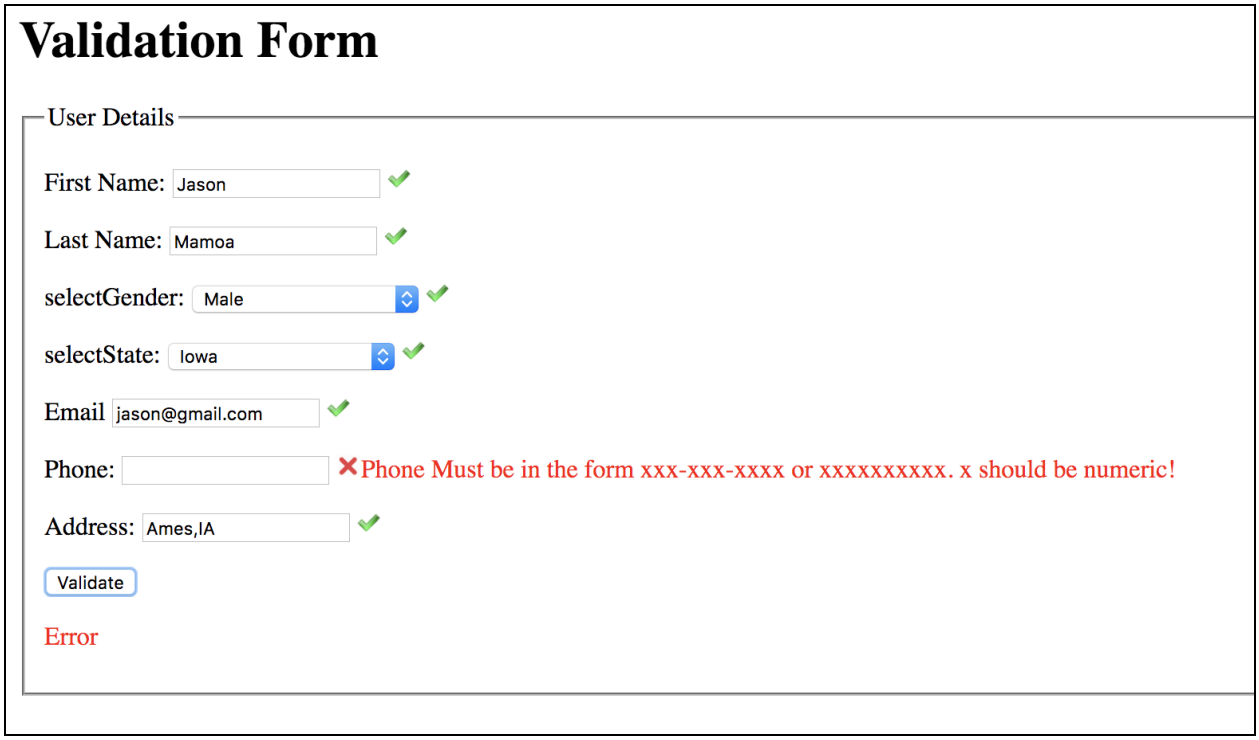

Figure 2. User inputs incorrectly.

Hint:

- To perform the click button, use Selenium to interact with button with ID **"btnValidate"**.
- To check the status of input for users, you can use Selenium to check the value of **"labelNotifytxtFinalResult"** variable. This label has value "OK" and "Error" with correct and incorrect input.

```
<p id="FinalResult">
  <label id="labelNotifytxtFinalResult" class="errorMessage">Error</label> == $0
</p>
```

Check list:

1. Test for validating correct input **[10 pts]**.
2. Test for validating incorrect input **[10 pts]**.
3. In the report, you should specify a brief description about how you make the tests passed in your implementation **[5 pts]**

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Please find the attached HW 6 zip files HW4-Files.zip on Canvas.

Submit requirement [5 points]

Submit via Canvas a **compressed file (.zip)** [rename it with your LAST NAME] containing the following folders and files:

- **src:** Attaching your project (which includes the source code) of your implementation.
- **README** file explaining how to compile and run your program
- **Report** (.docx or .pdf) file describing your solution approach and **screenshots** of every required output for the task.