# Interface Design and Development

Credit Task 3.4: Registration Form Web App

## Overview

Conditional and loop directive in VueJS makes it possible to create interactive user forms, where subsequent input choices depends on the prior ones. In this task, you will create a small phone registration web application where some subsequent questions depend on the answer of the previous question.

| | |
|---|---|
| **Purpose:** | Learn to use conditional and loop directives to respond to user actions. Learn how to incorporate styling. |
| **Task:** | Create a web app that make use of if and loop directives |
| **Time:** | This task should be completed in your tutorial and submitted for feedback before the start of week 5. |
| **Resources:** | |

- Lecture notes #2 and #3
- VueJS https://Vuejs.org/
- Bootstrap http://getbootstrap.com/

### *Submission Details*

You must submit the following files:

- Registration Form source code (register1.html).
- Screenshot of the web app. **Please submit the screenshots as separate files (not inside a zip).**

Make sure that your task has the following in your submission:

- The Registration Form web application is HTML5 compliant.
- Demonstrates understanding in using the VueJS framework.
- Demonstrates use of VueJS conditional and loop directives.
- Demonstrates understanding of incorporating the Bootstrap framework.

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# Instructions

Users appreciate personalised experiences. Using VueJS, we can create a registration form that adapts subsequent questions based on previous answers. It can also provide feedback in terms of progress. In this task, we implement a simple form where some input choices are dependent on the previous answer.

1.  Open Brackets (or other editor) and save the blank file as register.html in your lab03 directory.

2.  Start the web application code with the template for VueJS found in lecture 03.

3.  Implement a web application with the following logic:

    - Prompt for a username

    - Prompt for a password

    - Prompt the user to re-enter the password. A message will appear beside the input box if it does not match the original password

    - Using a radio button input, prompt the user to select the mobile operating system, namely Android, IOS or Windows. Default is Android when the web app is loaded.

    - Populate the selection options for a phone model drop down box input using a loop directive that is based on the selected mobile OS. The following is the list of phone models based on OS including 3 newly released IDD handset.

| Android | IOS | Windows |
|---|---|---|
| HTC 10 | IPhone 6s | HP Elite x3 |
| Nokia 6 | IPhone 6s Plus | Microsoft Lumia 950 |
| Samsung Galaxy 7 | IPhone 7 | Microsoft Lumia 950 XL |
| IDD VIOS Non Windows | IDD Windows Non Android | IDD VIOS Non Android |

Table 1: Mobile Phone Information

    - Display a summary list that shows the username, phone OS and phone model.

```
Web App: register1.html
_____

Uses: VueJS version 3.x
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----- Model:
- input variables
- phone information list
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----- Steps:
1: prompt for user name
2: prompt for password
3: prompt to re-enter password
4:  v-Show/v-If – display if passwords are different
5: initialise radio default and prompt for radio
    input
6: initialise options and generate drop down input
7: generate summary list
```

**Note:** You may download the mobile phone information in JSON format from Canvas.
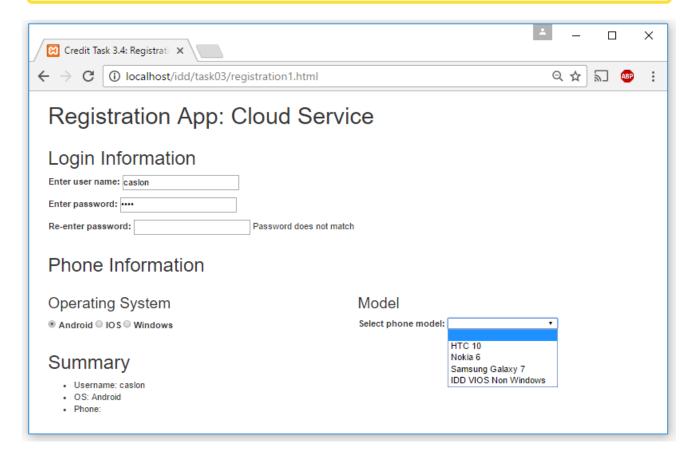


Figure 1: Screenshot of the web app with no Bootstrap mark up (row and col-xx-##)

**Tip:** Ensure there is a name attribute for all input elements. With no server processing, name attribute may appear optional in HTML input elements except for radio type.

**Note:** The select options must be populated using v-for.

**Hint:** Use the filter for v-for. Do not forget to use object variable in the radio input.

Now that the task is complete you can submit it for assessment, which will help prepare it for your portfolio.