Faculty of Science

Course:	CSCI 3230U: Web Application Development
Lab:	#9
Topic:	Node.js and Express

Overview

In this lab, you will develop a simple form handler in Node.js and Express, with a pug template for a form.

Instructions

The base files include a `package.json`, so you should only need to install the dependencies with `npm install`. Using the in-class examples as a guide, make sure that the following are working:

- Include the `express` plug-in
- The folder `public` is set to serve static files
- The folder `views` is set to serve Pug templates
- The `body-parser` plug-in is included, and invoked on all HTTP requests

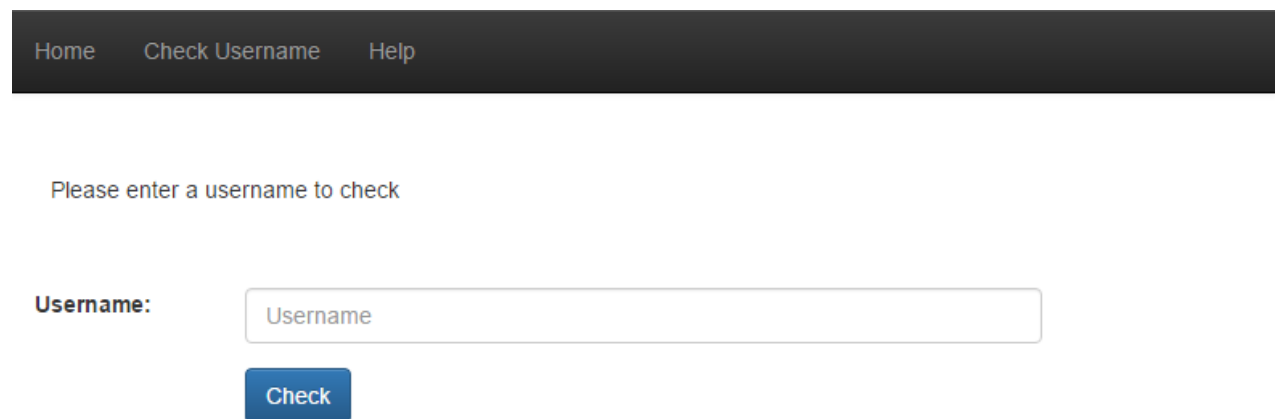Your application will have two routes, both to the URI `/checkUsername`.

Figure 1: The form before any username has been submitted

The `GET` handler will render the `enterUsername.pug` template, passing the message 'Please enter a username to check'

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The `POST` handler will also render the `enterUsername.pug` template, but the message passed will be either:
- ‘`That username is available.`’: If the username that the user has entered <u>is not</u> in the list `['admin', 'bsmith', 'rfortier']`
- ‘`This username already exists.  Please try another.`’: If the username that the user has entered <u>is</u> in the list `['admin', 'bsmith', 'rfortier']`
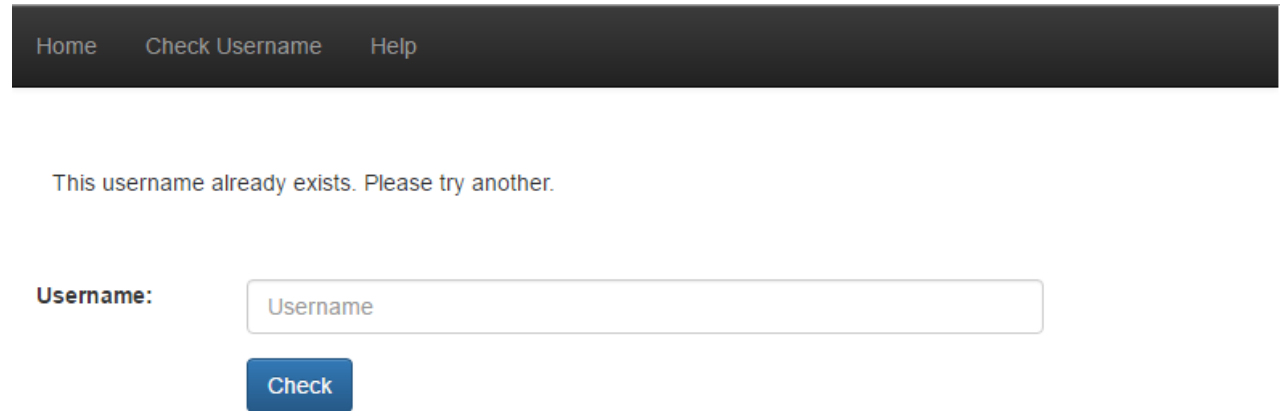

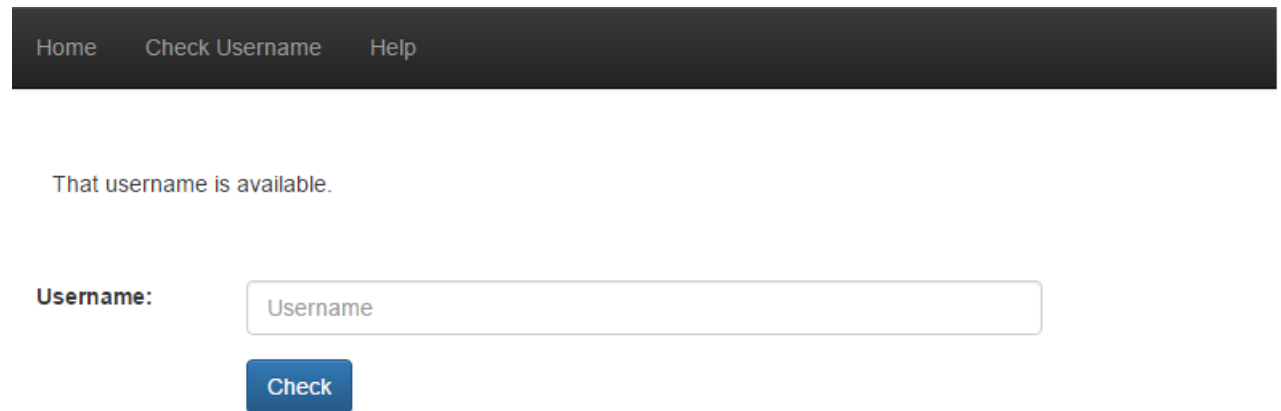*Figure 2: The form after the username 'bsmith' has been submitted*

Figure 3: The form after the username 'fred' has been submitted

How to Submit

Submit the HTML, CSS, and JavaScript files in a ZIP file, with a name following the same pattern as previous labs: Lab09_FirstNameLastName_StudentNumber.zip (e.g. Lab09_RandyFortier_100539147.zip) to the TA.