Web322 – Assignment # 2

**Weighting:** 10%  
**Date Given:** October 9, 2020  
**Date Due:** October 25, 2020

# Objectives

**Notes for the Student:** This Assignment is the second of five that is designed to give you practical experience in hosting Server-Side Web applications using a cloud based solution (Heroku), sending emails and applying server side form validation to your web application.

# Submission

**Assignment Submission Requirements**

* Submit a video of you demonstrating your working web application, be sure to show the form validation working. (2 minutes max)
* Submit the link of web application to your **GitHub repo**
* Submit the link of your hosted **Heroku** project in Blackboard.

**Notes:**

* If your application is not pushed to GitHub, it will not be marked.
* If your web application does not function or work on Heroku, it will not be marked.
* Marks will be deducted for any projects committed to GitHub after the deadline date.

# Requirements

## Assignment Regulations

* This assignment must be done individually.
* Please review Seneca’s policies on Academic Integrity, specifically:

*“Each student should be aware of the College's policy regarding Cheating and Plagiarism. Seneca's Academic Policy will be strictly enforced. In order to support academic honesty at Seneca College, all work submitted by students may be reviewed for authenticity and originality, utilizing software tools and third party services. Please visit the Academic Honesty site on http://library.senecacollege.ca for further information regarding cheating and plagiarism policies and procedures.  
.”* ***Thus, ensure that your code or any part of it is not duplicated by another student(s). This will result in a percentage of zero (0%) assigned to all parties involved.***

## Technical Requirements

* All back-end functionality mustbe done using Node JS and Express.
* Your views MUST be created with **Express-Handlebars**

## Detailed Application Specifications

This assignment is a continuation of Assignment 1 thus all the requirements for this assignment is to be made “on top” of your assignment 1.

Note: **no database connectivity, nor dynamic content, is required for Assignment 2 and most screens will still be hard coded. The exception is the form validation, redirects and email.**

# Features

## Responsive Design

Ensure that your entire website renders well on a variety of devices and window or screen sizes, specifically on desktops, tablets and smartphones.

## Git, GitHub and Heroku

Your web application must be pushed to a remote GitHub repository on your account. Please note that you must set your remote repository to private and then add me as a collaborator so I can view your web application. Lastly, you are required to deploy the working web application to Heroku.

# Form Validation

You are required to implement validationfor both the login and registration forms.

* LOGIN FORM: you are only required to check for nulls (i.e. check to see if the user entered a value in the respective text fields).
* REGISTRATION FORM: you are required to check for nulls AND implement at least 2 complex validation criteria using regular expressions.*For example: enforcing that the user must enter a password that is 6 to 12 characters and the password must have letters and numbers only****.***

All error messages must be rendered on their respective pages or areas and must be styled using consistency with the look and feel of the web site.

## User Registration Form (Sending Emails)

When a user fills out the registration form and then hits the submit button, provided that all the validation criteria were not violated, your website must then **send a welcome email message to the user’s email address and then redirect the user to a dashboard page.** For now, the dashboard page should contain information welcoming the user and should be properly styled (i.e. consistent header and footer, etc. with the rest of the site.

# Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Not Complete 0** | **Partially Complete 1** | **Fully Complete 2** |
| **Login form Validation**   * Username validation (checking for nulls) * Password validation (checking for nulls) * Error messages are styled and are styled properly |  |  |  |
| **Registration form Validation**   * First Name validation (null check) * Last Name validation (null check) * Email validation (null check) * Password validation (null check) * Advance Validation Criteria 1 * Advance Validation Criteria 2 * Error messages are styled and are styled properly |  |  |  |
| **Email**   * Email is sent to the user’s email when the user fills out the registration form and hits the submit button. * User is redirected to a dashboard page * Dashboard page is styled |  |  |  |
| GitHub   * You made at least 4 reasonable commits * Website was deployed to Heroku |  |  |  |
| Responsive Design   * Overall site is looks polished on all devices , specifically on smartphones, tablets and large screens | **0** | **3** | **6** |

**Total : 36 MARKS**