Assignment – Gallery 2

This assignment is an extension to your Gallery assignment.

You are required to design, code and implement a webpage as an interactive login interface for your virtual client.

Modify your web server program for the handling of request messages submitted from both webpages.

Your Node/Express/Handlebars/JSON/ Sessions + Cookies based deliverable must provide the following:

### Assignment Specifications

**Creating New Login Webpage**

* A heading that identifies the theme and/or subject of your webpage
* A subheading labeled as **Login**
* A textbox with placeholder set as **Username**
* A textbox with placeholder set as **Password**
* The entered password must not be shown in the textbox
* A button for submitting login request to the web server for validating entered credentials
* A button for submitting registration request (optional) to the web server to create new credentials
* A label for displaying error messages
* The validation process must be conducted by verifying entered credentials against the content of **user.json** file

{

"george.tsang@senecacollege.ca": "web322n1a",

"john@beatles.uk": "lennonj!",

"paul@beatles.uk": "mccartney",

"mick@rollingstones.uk": "jaggerm!"

}

* Each entry in the **user.json** file is composed of key-value pairings of username (email address) and its password
* The above shown format and layout of **user.json** file must be followed without alterations
* The entering of incorrect username will result in the display of message “Not a registered username”
* The entering of incorrect password will result in the display of message “Invalid password”
* Successful login will result in
* The presentation of your Gallery webpage
* The creation of cookie and the setting up of web session using **client-sessions**
* The remaining design criteria are to be decided by the web app designer

**Modifying Existing Gallery Webpage**

* The image presentation webpage may only be accessed via the login webpage
* The login username is to be displayed on the image presentation webpage
* The hovering of mouse-pointer to the login username should prompt the display of a logout link
* The clicking of the logout link will result in the severing of connection to your web server and return to the login webpage

**Creating User Registration Webpage (Optional)**

* The user registration webpage is NOT a mandatory requirement for this assignment
* The user registration webpage may only be accessed via the login webpage
* A heading that identifies the theme and/or subject of your webpage
* A subheading labeled as **Account Registration**
* A textbox with placeholder set as **Email**
* A textbox with placeholder set as **Password**
* A textbox with placeholder set as **Confirm** **Password**
* The entered passwords must not be shown in the textbox
* A button for submitting registration request to the web server for validating entered credentials
* A label for displaying error messages

Technical Specifications

* Code one JavaScript server application using Node.js for routing, Express.js for framework and Handlebars.js for templating
* Necessary **npm** modules are: express, express-handlebars, fs, client-sessions, randomstring, path and linebyline
* Usage of **fetch** web API is strictly prohibited
* The new Login webpage and the modified Gallery webpage must be coded and remain independent in separate **hbs** files

Assignment Requirements

* Submit your assignment by date specified on the weekly schedule in media specified in the course overview
* The completed assignment should include at least one **js** file, two **hbs** files, one **package.json** file, one **user.json** file, one **imagelist.txt** file, your assignment **URL** and necessary image files all compressed into one **zip** file
* Do not include **node\_modules** as part of your assignment submission
* Your assignment is to be submitted via Blackboard
* Ensure your assignment can be successfully tested via **localhost (127.0.0.1)**
* Optional: Deploy your assignment to your **GitHub** and **Vercel** account or your **Heroku** account
* Optional: Ensure your assignment can be successfully tested via your **Vercel URL** or your **Heroku URL**
* Optional: Your **Vercel URL** or your **Heroku URL** is to have the format of **<first name>-<last name>-gallery2** prepending the rest of the URL
* NOTE: 1 bonus mark is to be rewarded for the successful implementation of your assignment on to **Vercel** or **Heroku**

Note: This assignment is worth **20%** of your final grade.

### Sample Assignment Web Server App

* <https://george-tsang-gallery2-caf1988b7693.herokuapp.com/>