Assignment – Web Bank

Design and code an internet banking web site.

Your web server program is required to handle request messages submitted from two separate webpages.

### Assignment Specifications

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

**Login Web Page**

* A heading that identifies the theme and/or subject of your web page
* 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 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 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 banking web page
* The remaining design criteria are to be decided by the web app designer

**Banking Web Page**

* An image or emblem that identifies the web site.
* A textbox with placeholder setting as **Account Number**
* Two radio buttons
* A radio button labelled as **Balance**
* A radio button labelled as **Deposit**
* A button labelled as **Submit**
* The banking web page may only be accessed via the login web page
* The logged-in username is to be displayed on the banking web page at the top-right corner
* The hovering of mouse-pointer to the logged-in username should prompt the display of a logout link
* The clicking of the logout link will result in returning to the login web page

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, and path

Assignment Requirements

* Hand in 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, your assignment **URL** and necessary image files all compressed into one **zip** file
* Do not include your **node\_modules** subfolder as part of your **zip** file
* Single Page Application (SPA) development is prohibited
* Usage of front-end framework such as React, Vue, Angular are prohibited
* Your assignment is to be submitted via Blackboard
* Ensure your assignment can be successfully tested via **localhost:3000**

Note: This assignment is worth **15%** of your final grade.

### Sample Assignment Web Server App

* See <http://george-tsang-webbank.herokuapp.com/>