# **SYST 24444 Assignment #1 (10%)**

* Create a **new Angular** app called **A1yourloginname** (ex. A1doejane) - *NOTE: Marks off if not named as specified*
  + Use **New Angular Application With Material** in the **Angular References Module** on starting a new project with defaults.
  + This will be a mobile assignment formatted for **landscape** view only
    - *Note: Styling included is mostly for testing Angular concepts and mobile layout*
  + Include an **image** or representative of you in your assets/images folder
  + Include a **flag image** for your home country in your assets/images folder
* Include a **Material Tabbed Layout** and include **3 tabs** with each tab containing:
  + Tab # / YOUR login name (Student Number) / ICON (your choice)
  + *Remember: Tabbed Layout starting structure can be found in Angular References Module/Material References/Common Angular Material Structures And Options*
* Create a **new file** in the app folder to hold your Class definition called **classYOURLoginName.ts (ex. classDoejane.ts).**
* **Create a new Class** called **YOURloginamePersonal (ex. DoejanePersonal)**. Will include the following:
  + ***NOTE: PRECEDE each class field with YOUR login name (ex. doejaneName, doejaneID, etc)***
  + YOUR Full Name (First and Last)
  + YOUR Student Number
  + YOUR Login Name
  + YOUR Sheridan Email Address
  + YOUR Home Sheridan Campus
  + YOUR image name (just a string that will include the name of the image file)
* **Create a new Class in the same file** called **YOURloginameCountry (ex. DoejaneCountry)**. Will include the following:
  + ***NOTE: PRECEDE each class field with YOUR login name (ex. doejaneCountry, doejaneID, etc)***
  + YOUR Country of Birth-Name
  + YOUR Country of Birth-ID (as a number)
    - <https://www.nationsonline.org/oneworld/country_code_list.htm>
    - Use UN numerical code (last column)
  + YOUR Country Capital City
  + YOUR Country’s Average Salary (as a number – check on Google)
  + YOUR Country Flag Image (just a string that will include the name of the image file)
* Include the **Personal** **Class import** in the **app component.ts** file and create a **new variable** called **PERyourloginname** that is based on the Personal Class and populate the default values with your personal information.
* Include the **Country Class import** in the **app component.ts** file and create a **new variable** called **CTRYyourloginname**
* For the images/pictures: You can include the path if you want (ex. assets/images/mypic.jpg) or just the image/picture name and then add the path in the html
* Create a **header-yourloginname** component:
  + **Include** this component in app.component.html ABOVE the <mat-tab-group>
  + Use the **Sharing** procedure to pass your personal information from the app component to this header component using a child variable name of **yourloginnameChild (ex. doejaneChild)**
  + Include a variable that contains the *current date* in your header typescript file
  + Add a header line (I would suggest an <h3> or <h4> tag since they are more mobile) on 2 lines
    - *Winter 2024 / Assignment #1 / ID: <YOUR student number from shared data>  
      Current Date: <date – formatted as specified below>*
    - Use *Pipes* to format the date to the format: ‘MMMM d, y, h:mm:ss a z’
    - Use string interpolation for any variable data (i.e. ID and date)
    - *Note: <> are included above just to distinguish which fields are being included and do not need to be included in screen output.*
* Include **CSS** for the header (MUST use [ngStyle])
  + Set a text colour, a background colour, center both lines and change the font to *small-caps*
* Create 3 new components:
  + **yourloginname-about**
  + **yourloginname-country**
  + **yourloginname-pics**
* **Include** each of these in the individual *mat-tabs* in the *mat-tab-grouping* in *app.component.html*
* **yourloginname-about Component**
  + Use the **Sharing** procedure to pass your personal information from the app component to this component using a child variable name of **yourloginnameMe (ex. doejaneMe)**
  + **Display** Name, Email address, and Campus from shared data with *preceding descriptive labels* in <h2> header tags with horizontal lines above and below each header line
  + Use Angular **Styling** (MUST use [ngStyle] where applicable):
    - Name – italic, background colour change, text colour change
    - Email – underlined, text colour change
    - Campus – use piping to format to uppercase
* **yourloginname-country Component**
  + Use the **Sharing** procedure to pass country information from the app component to this component using a child variable name of **yourloginnameData (ex. doejaneData)**
  + **Display** Country Name, Capital, and Average Salary from shared data with *preceding descriptive labels* in <h2> header tags with horizontal lines above and below each header line
  + Use Angular **Styling** (MUST use [ngStyle] where applicable):
    - Country Name / Country ID –text colour change and use piping to uppercase
    - Country Capital – italic with background and colour changes
    - Average Salary – use piping to format to currency
* **yourloginname-pics Component**
  + Use the **Sharing** procedure to pass both personal data and country information from the app component to this component; your choice of variable names
  + Create a **<section> element** that uses Angular styling ([ngStyle]) to set display property to “flex”
    - Include both figure/images shown below WITHIN this section element
  + **Display** **personal image and country flag image** using a ***figure*** element with ***figcaption*** to include *YOUR full name* from Personal shared data for your personal image and *Country name* from Country shared data for the country flag
    - *Remember, DO NOT start path to the assets/images folder with either a / or ../ since it might work on localhost but might break when deployed. See in-class exercises and presentations for details*
  + Create **2 CSS Classes** in the *yourloginname-pics CSS* file
    - Name of CSS class: **yourloginnamePersonalCSS**
      * Add a thick solid border with your choice of colour (except black)
      * Round corners of border (must be noticeable)
    - Name of CSS class: **yourloginnameCountryCSS**
      * Add a thick double border with your choice of colour (except black)
    - **For both include:**
      * Add a reasonable width so stays mobile and images display relatively the same size
        + *Depending on the original image, the sizes may be different*
      * Add margins and padding for spacing and alignment
      * Add flex: 1; so will display inline
  + Using **[ngClass] on the <img> elements**, call the ***yourloginnamePersonalCSS*** class if **your student number from shared data** is equal to **your actual student number (hard coded)**
  + Using **[ngClass]**, call the ***yourloginnameCountryCSS*** class if the Country Code from shared data is equal to the actual country number (hard coded)

* + *Note: we will be doing this in a more effective scenario without hard-coding in later weeks; this is strictly an exercise for using [ngClass] setup*

*Sample views for reference on last page*

*See next page for Grading Rubric and Notes…*

**Grading View:**

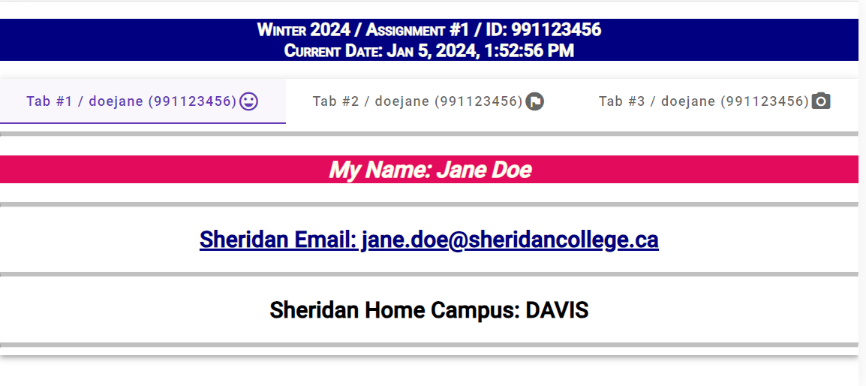
* I will be using the **Chrome Toggle Device Bar for Samsung Galaxy S20 Ultra in Landscape mode only** when grading your site
* REMEMBER, this must be in a mobile layout; too much scrolling or whitespace will reduce your mark

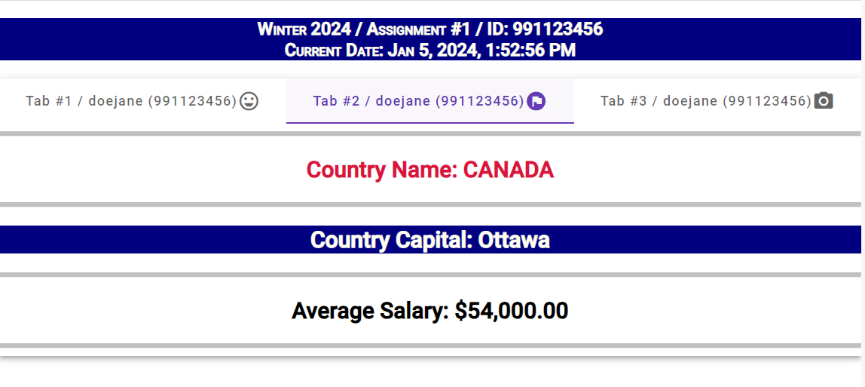
**Submission Details for SLATE Drop Box:**

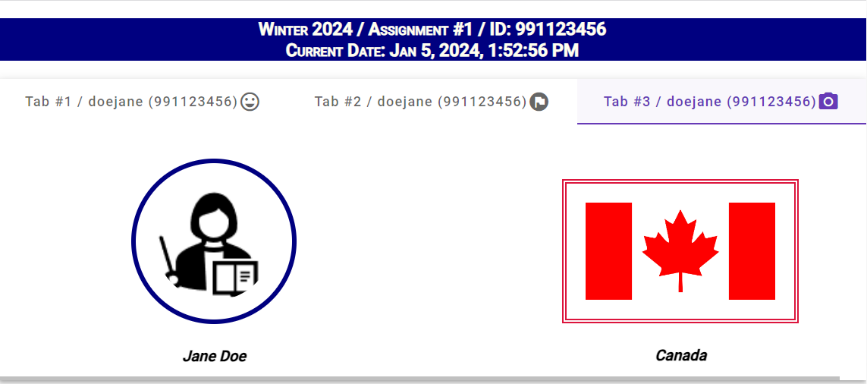
* **ZIP** **your SRC folder ONLY;** name of zip should be *yourLoginNameSRC.zip*
  + **NOTE: If you send the entire application folder ZIP instead of only the SRC folder, I will not use it and will automatically reduce your assignment by 5 marks**
* **Deploy** your site to cPanel and include the **URL DIRECTLY to your site** in the Comment section of the Drop Box
* See **Angular Deployment** document in the **Angular References** Module
* *Some things to remember:*
  + DO NOT wait until the last minute to complete this assignment; debugging and formatting can take time as can deployment
  + DO NOT change the site on cPanel once you have submitted and the Drop Box closes. I will run a JS Script to see when the last time the cPanel link was updated. If past the Due Date, late marks will apply even if submitted on time in the SLATE Drop Box
  + You can submit as many times as you need to until the Drop Box closes. I will grade the last one
  + You have **3 days after the Due Date** to submit with **10% off per day**. After 3 days, the assignment will no longer be accepted
  + **NOT DEPLOYING your Angular App results in 5 marks off automatically**
  + Each assignment MUST be done individually. I will be checking the HTML and Script for copying especially for all personal data used in declarations and values
* **Grading rubric:**

|  |  |
| --- | --- |
| **Class** creations and **variable setups** | 2 |
| **Mat Grouping** with tab label contents and correctly named components included | 2.5 |
| **Header** components with styling and sharing setup | 1 |
| **Tab #1** component including sharing setup | 1.5 |
| **Tab #2** component including sharing setup | 1.5 |
| **Tab #3** component including sharing setup | 1.5 |
|  |  |
| If *Angular site is not deployed to cPanel*, 5 marks will be deducted automatically. Documentation is included in SLATE (see not above) | -5 |
| If the entire app is zipped and *not just the SRC folder*, 5 marks will be deducted automatically | -5 |
| If site is not mobile, 2 marks will be deducted automatically / Must fit in mobile space with minimal scrolling | -2 |
| **YOUR personal info in declarations not included where specified AND/OR**  **Personal data from any other student in data or declarations (i.e. If you use *yourloginname* text and not your ACTUAL login name where specified, marks will be deducted)** | -10 |

*Example outputs for reference ONLY*

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