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## Tutorial 3: Front-End Frameworks [Individual Deliverable]

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### Learning Outcomes:

- Familiarize yourself with the Front-End framework/library of your choice (i.e., the one you have decided to use for your project).
- Understand the general flow within the framework/library.
- Work individually to create a simple interactive site.

### Instructions:

Working by yourself:

- Choose ONE of the **Adventure Options** for **Tutorial 3**. You will be using your framework of choice to complete this tutorial.
- **Create** 2 pages: a Profile Registration and a Profile page.
- For your **Registration page**, create a form to register a user. The form should have the following fields:
  - **First Name** - Accepting only letters.
  - **Last Name** - Accepting only letters.
  - **Email** - Valid Email format (e.g., [jon\\_snow@westeros.com](mailto:jon_snow@westeros.com))
  - **Password** - Accepting alpha-numeric and special characters. Minimum limit is 8 characters.
  - **Confirm Password** - Same as password and should match with the password field.
  - **Submit/Register** button.
- **The form should perform proper front-end validations with the requirements mentioned above.**
- Front-end validation should be handled through JS and/or jQuery.

*Note: No points will be awarded for front-end validations handled through HTML.*

- Users should be redirected to the **Profile page** on successful validation. This page should display basic profile details like First Name, Last Name and Email. **You may use dummy text for this tutorial.**

*Note: No back-end code or back-end functionality is required for this tutorial.*

## Submission Guidelines:

Your tutorial must be submitted through **Brightspace** (i.e., **README file**), **GIT** and be **remotely accessible**.

### To submit your work to Brightspace:

- Create a README.txt file, follow the guidelines specified in the README template provided through Brightspace
  - Rename your README file to match naming conventions specified in the Course Syllabus (**FName\_LName\_README.txt**).
  - **Include** the link to your repository and the deployed application.

***Note:** Your README file should include your name, GIT repository link, deployment link, and any code references. Failure to submit a README file and/or not include a link to your deployed application will result in a grade of 0.*

- Ensure you submit your work by the **due date specified on Brightspace**.

### To submit your work to FCS GitLab:

- Push your code to a new git repository and deploy the application to Netlify or any other deployment platform of your choice.

***Note:** Make sure that the deployment link you include in your README file matches the deployment link for this tutorial. Your GIT repository must be individual and private and be accessible to the Instructor and Teaching Assistants.*

- Follow the folder structure requirement shown on **Figure 1**.
- **Ensure**, your repository includes a **README.txt file**, follow the guidelines specified in the README template provided through Brightspace.

```
CSCI 4177/5709 Tutorials
- Tutorial1
- Tutorial2
....

CSCI 4177/5709 Assignments
- Assignment1
- Assignment2
...

CSCI 4177/5708 Grp-xx
- Individual name branch
```

*Figure 1. GitLab Folder Structure Example.*

## Marking Rubric:

As this tutorial is a programming tutorial, the following grading criteria will be used for marking your tutorial:

- Creating a tutorial3 repository **[0.5 points]**
  - **Ensure** your repo is set to **private**
- Adding the Course Instructor and Teaching Assistants as maintainers **[0.5 points]**

***Note:** See Tutorial 2 handout for Instructor and Teaching Assistants' GitHub and FCS GitLab account information.*

- Tutorial includes Registration page with proper validations **[6 points]**
- Tutorial redirects to Profile page on proper validation from registration page **[2 points]**
- Tutorial is remotely accessible on Netlify or any other deployment platform of your choice **[1 point]**
  - **Ensure** a link to your application is included in your **README** file.

***Note:** Please note that if Gitlab link or deployment link is missing, you will receive a negative mark of -100%. Additionally, if maintainer access for any TA or Professor is missing, you will receive a negative mark of -50%.*