**IFT458/598 – Topic6**

**Project Component:** Django Framework

Description

In PD1, you implemented the webpage illustrated for a given wireframe (front end).

In PD2, you developed the database (back-end)

In PD3 & PD4, you developed the application logic to interact with the database.

In PD5, you were expose to versioning using Git.

Now we need to close the loop by interacting with the front-end. In doing so, we’ll integrate the whole project into the Django Framework; all under version control.

PD6 will focus on integrating the front-end in the Django framework.

PD7 will focus on integrating the back-end in the Django framework

PD8 will focus on creating REST API in Django

\_\_\_ PD6 \_\_\_\_

The first video gives a very good walk through. Complement it with the PPTs for better understanding.

After watching the video, build the static web pages for your project that link up nicely.

1. First thing first: Create a Git (and GitHub) repository for your Django project. Call it solarpv\_<TeamID> or synerd\_<TeamID> or ffutche\_<TeamID> depending on your project. Be sure to Add your teammate and your instructor (username: kuitche) to your project.
2. Develop the HTML pages below. You must have an external (and single) CSS file for all the pages.
3. Main page (already developed in PD1)
4. *Register* Page (**SolarPV** site) or *Join Us* page (**SynerD** and **Ffutche** sites): This allows a user to create a profile with username and password that can be used later to log in.

* A “Registration” or “Join Us” is a user registration form with the same information defined in the following PD2 tables: ***UserInfo*** for SynerD, ***User*** for SolarPV, and ***Scholarship Application*** for Ffutche.

1. A *web portal dashboard* page with the following forms for inputting data provided in the corresponding PD2 tables

SynerD

* Office
* Officer
* Organization
* Organization Member
* Subscriber

SolarPV

* Client
* Location
* Product
* Test Standard
* Certificate

Ffutche

* Donors
* Scholarships
* Schools: necessary information includes school name, type of school (kindergarden, primary, HS, college or university), address (or location) , contact person name, contact number.
* School Tuition & Fees

From the main page, only the links to “Register” or “Join Us”, and “Login” or “Sign In” are required to be activated. For PD6, all the forms are static.

1. Create a Django app called solarpv (if you built SolarPV site in PD1) or synerd (if you built SynerD site in PD1), or ffutche (if you built Ffutche site in PD1), and add to setting.py
2. Create the directories template and template/solarpv or template/synerd or template/ffutche under your app folder
3. Place your html files into template/solarpv or template/synerd or template/ffutche
4. Create the directories static and static/solarpv or static/synerd or static/ffutche under your app folder; and place in all your static files such as CSS files and others
5. Configure the views.py and url.py so your files are rendered in the browser as is.

PD6 Deliverables

You are to upload the following items:

1. A project report that includes

* Introduction
* Description of your work (what you did and how you did it): include screenshots to illustrate your narrative
* User manual: Provide a detailed description of how a non-technical user can take your zip file and get it up and running
* Conclusion: Indicate what you achieved, what was learned, the challenges faced, and how they were overcome, and how can your work be improved
* Your GitHub URL. Note that the instructor should be a collaborator to the project solarpv\_<TeamID> or synerd\_<TeamID> or ffutche\_<TeamID>.

1. A zip file of all your source code (this would be the zip file of your Django project folder)