Web Development Lesson Plan

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| Session: 2 | Topic: Django Review | Day: 2 |

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| Lesson Objective:  This exercise will...   * Django content   The purpose of this lesson is also that   * Students will practice Django |
| Materials Needed:   * Internet access * Web browser * VS Code |
| Agenda:   1. Create your own website (1 hour) |
| Procedure:  Student can do this fully independently by reading the instructions, or someone can read the instructions to make sure the task is understood before doing the activity. The reflection part can be done with guided instructions, or in pairs with other students if available to compare notes. |
| Assessment/Check for learning:   * Students can identify concrete things that they missed in their observation (note that this is not a bad thing, the purpose of this lesson is to realize that intentionally looking for information comes with the ‘penalty’ of reduced attention to other things. |

What if:

* Student has already shown proficiency in that skill?
  + Pick a movie or episode in which a lot of things are happening, so that there are more things for the student to keep track of.
* Student is having a hard day and needs special accommodations?
  + Pick a movie or episode in which only a few things are happening, so that there are less things for the student to keep track of.
  + Instead of writing, the student can also take spoken notes with an audio recorder. This will be a bit trickier in the second part but audio in the movie can be supported with subtitles.

NOTES:

* Duration is approximately 50 minutes; can be adjusted by shortening the duration of the film clip. Less than 10 minutes is not recommended unless really necessary.

**Instructions**

**Django review (1 hour)**

Now that we have covered the basics of HTML and Django, it is time for you to practice what you have learned. You will create your own personal website. Follow the requirements below.

Step 1:

Create a project folder called “Lesson14”

Step 2:

Create a virtual environment.

Step 3:

Install Django.

Step 4:

Create a Django project called “website”.

Step 5:

Create a Django app called “your\_first\_name\_blog”. Example: “john\_blog”

Step 6:

Register your app.

Step 7:

Add app routing to the project “urls.py” file.

Step 8:

Create at least 2 web pages.

Step 9:

Add images and HTML to the pages. Make it fun by making these web pages about you. You could have short biography with a picture of yourself, pets, or your favorite activities.

Step 10:

Route the web pages in the app folder “urls.py” file.

Step 11:

Add view functionality in the “views.py” file.

Step 12:

Run your app!

An example of a project is provided in the Code folder for lesson14.

**Reflection (5 minutes)**

What was challenging about creating this personal website? What was the most fun when creating this personal website? What did you learn?

In the following lesson we will wrap this course.