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SDEV 140

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Module 03 Project Status Report 1

# Assignment Instructions:

For your final project for this course, you will create a GUI application using Python tkinter. For this first step in completing your Final Project, you'll need to:

* Select the topic of your Final Python tkinter GUI application. For example, your application might address the opportunity to create an initial Python tkinter GUI application for a company's pizza ordering system.
* Your application must be approved by the instructor. Provide the following information:
* The name of the GUI application.
* What is the purpose of the Application?
* List the reason you are creating the Application.
* What do you want the Application to accomplish? List the goals you have for the Application.
* Who is your target audience? Describe your target audience by age, gender, socioeconomic characteristics, and so on.
* Create an outline of your Final Python tkinter GUI application.

# My Project Proposal:

**GUI application name**: HTML Document Creator for Static Web Pages

**Purpose of application**: Creates a series of files formatted using HTML syntax that can be used to create a low complexity web site. The HTML should be compatible with various CSS files or use inline CSS formatting. The user should be able to input the number of pages and the contents of each page using the tkinter GUI application.

**Reason for creating the application:** This application should help create basic websites for users who are first experimenting with website creation and don’t know how to code in HTML. The output files of the program should be able to be uploaded directly to a hosting provider and functional from that point forward with no adjustments necessary.

**What the application should accomplish:** The application should ask users for the following:

* Number of web pages to include in the site
* Title of the web site, and title for each page in the site
* Pages to include in navigation pane
* Sections to include in the body of each page, which can be headers, paragraphs, lists, or images
* Footer to include contact information for the user or their business

The application should then create the files in a directory ready for the user to move to their web hosting provider. The user should be prompted on how to do so with links to providers and guides.

**Target audience:** Users who desire to build a basic website but lack HTML coding experience. Younger professionals who want to start a website for their business or portfolio but don’t know how would be ideal users.

# My Project Outline:

1. Main window
   1. Gives brief overview of application’s goals and capabilities
   2. External link to documentation on how to use the final files
   3. Internal link to begin file creation process
2. Website overview window
   1. Prompts user for name of website
   2. Prompts user for number of total pages in the website
   3. Prompts user for contact information to include in footer
3. Content windows
   1. Prompts users for header image to include in each page
   2. Prompts user for number and type of sections to include in each page
   3. Prompts user for content of sections, including headings, paragraphs, and lists
4. Customization
   1. Asks user if they will use external CSS files (no customization) or basic internal customization
   2. If using internal customization, asks which color scheme the user would like
5. Overview page
   1. Displays summary of information from previous pages
   2. Prompts the user to generate the files or start over