Steps of Culminating Python Project:

1. Go through Functions and Procedures
2. Sign up topics in Google Doc
3. Explain Project Design (Flow chart & System Life of Cycle)

*Stage 1: Sign up Topics and Design*

*Stage 2: Title Screen and Main Menu*

*Stage 3: Animation, Lesson and Quiz*

*Stage 4: Putting Everything Together – Debugging*

*Stage 5: Testing, Modifying and Finalizing*

1. Tips package:

* Pygame Resources:

Pygame Documentation -- <https://www.pygame.org/docs>

Pygame Tutorial -- <https://nerdparadise.com/programming>

Pygame Stuff --> Pygame Basics Tutorial -->

* + - Getting Started
    - Working with Images
    - Music and Sound Effects
    - Geometric Drawing
    - Fonts and Text
    - More on Input

<https://self-learning-java-tutorial.blogspot.com/2015/12/pygame-tutorial.html>

<https://self-learning-java-tutorial.blogspot.com/2015/12/python-tutorial.html>

* IntroToPygam.ppt
* LoadBackground.zip
* PygameSample.zip
* FileInputOutput.zip
* CulminatingMenu.zip (with Title Screen & Main Menu)
* Fishing.zip

1. Demonstrated how to run Pygame on <https://repl.it/>:

* Make sure to create a new repl using Pygame not Python.
* main.py is the default main program (don’t upload main, copy your .py and paste in main.py on repl)
* Upload all your supporting files by dragging folders (e.g., image, music ect)
* Music is not supported on repl unfortunately

1. How to make proper submission for your work:

Please name your zipped file with your name and brief description. For example: Carxe\_titleScreenMainMenu.zip

1. How to create citation in APA format on <https://www.citationmachine.net/>

For your project, if you choose to use different resources (images, website, python special libraries, python code not of your own), make sure you have proper citation in APA.

I suggest that you create a page of references (can be image), upload it for 10 - 20 seconds before exiting the program.

1. How\_To\_Package\_Import\_Python\_Files.doc
2. Keep log for your group on project.

Date:

Name:

Task Completed:

1. Work on small and manageable task, making good progress and you will have sense of accomplishment. Later you can piece them together, debug and refine your program
2. Always BACK UP your project at least two or three different locations (on your pc/mac, USB flash drive, Google Drive, and Dropbox etc.). You might want to save your program with version number so that you can always go back to the version you want.
3. Check the rubrics of the project
4. Clarify the final submission of the project (a compressed .zip file) containing following components with the proper structure:

* image folder
* music folder
* main.py (may be different name) Make sure you have complete header comments, body comment for every single function/procedure
* readme.txt containing:
  + the purpose of the program
  + hardware and operating system requirements:
  + how to use it (you may have user\_guide.pdf if you want)
  + troubleshooting tips:
* project\_log.doc (log of the project)
* architectural\_design.doc

1. If you have final editing on your project, make sure to test the main program again and zip everything in a compressed folder before you hand it in