Program Design Document

**Project Title:** Draw a Scene #6 **Due Date:** 11/01/19 Trevor Otterson

A screenshot of a cell phone

Description automatically generated

*Answer these questions for the current upcoming project. In order to get credit for the programming part of the project, you need to complete this document beforehand. This design document is worth 20 points.*

1. What is your input data, output data for this problem? Illustrate your answer with actual examples for this program. Specify a name, an example value and a type for each input and output item. You may optionally describe intermediate data as well, if it helps.

Going to use an input for file name

Going to need to sort and split data into my text file

def main(): for each variable.

1. Describe in your own words, in 1-3 sentences, what this program is supposed to do.

My program is supposed separate a files info into a text file to provide info to disprove Clintons statement. I will have to transfer data from different files. I will need to make the text file organized and easy to find information

3. Describe how your program will work and what your will produce given some example input values. Use, for example the inputs and outputs you gave in #1. This is at a higher level of thinking than the pseudocode for #4.

I will be using a def main(): and separate definition functions. To help organize my functions and help create easy access to take information from the csv file.

4. Write a high-level pseudocode outline of your program based on steps 1 and 2. You do not need to fill in all the details at this point, but give sufficient steps to show you’ve thought about how to break up the whole problem into smaller problems.

I will use a def “ ”(): function for all the variables to keep it organized. Then to run the program I will call all the functions to a def main(): function and run it with an if function i.e.: \_\_name\_\_ == "\_\_main\_\_": main(). I will also use while and for loops when needed to help consolidate the code.

5. Turn the examples you used in your answers above into true/false assertions that could be used as test cases to test your program. Examples: “User must enter an integer between 2 and 30 for input years.” Or “name field cannot be empty.”

User must type in the correct file name for the program to run correctly.