DSC 430: Python Programming
Assignment 0801: Plot Generator

A story generator or plot generator is a tool that generates basic narratives or plot ideas….The tool may allow the user to select elements for the narrative, or it may combine them randomly, a specific variation known as a random plot generator. Such tools can be created for virtually any genre, although they tend to produce formulaic and hackneyed situations. – Wikipedia, 2019

Create a class called SimplePlotGenerator that when queried for a plot returns "Something happens".

```
>>pg = SimplePlotGenerator()
>>pg.generate()
Something happens
```

Create a class called RandomPlotGenerator that when queried for a plot returns a random plot produced from the seven files found on the D2L in the form <plot_names>, a <plot_adjectives> <plot_profesions>, must <plot_verbs> the <plot_adjectives_evil> <plot_villian_job>, <plot_villains>. RandomPlotGenerator must extend SimplePlotGenerator.

```
>>pg = RandomPlotGenerator()
>>pg.generate()
Aaliyah Mosley, a abiding alabasterer, must acknowledge the
assuming assassin, Acheron Redwood.
```

Create a class called InteractivePlotGenerator that when queried for a plot offers the user a list of five random plot_names. After the user selects one, the system will offer the user a list of five random plot_adjectives. Etc. After the user has made all seven selections, InteractivePlotGenerator should return the final plot. InteractivePlotGenerator must extend SimplePlotGenerator.

This model will be used in the MVC pattern. Give special attention to how you query the user. (We will talk about this in class.)

Record a three minute video in which you run the code. Then, present your code. Specifically, answer the following questions:

- Show how you randomly produce a plot in RandomPlotGenerator.
- Show the default interface for InteractivePlotGenerator.
- In InteractivePlotGenerator, show how you manage user input when you are connected to a view/controller and when you are not.

Submission: Submit a single .py file containing all the code to the D2L. Do not zip or archive the file. Your code must include comments at the top including your name, date, video link, and the honor statement, "I have not given or received any unauthorized assistance on this assignment." Each function must include a docstring and be commented appropriately.