**Appendix 1: Planning Guide**

Task 0: Explain what you are doing/ going to accomplish   
I am going to create a python server for my comic book store.

Task 1: Sketch interface design

*Draft a rough design for the interface that allows the user to trigger functionality in task 1, while also annotating where the information in task 2 will be displayed. Create another sketch listing the interface widgets used to create the interface.*

N/A

Task 2: Identify any classes required

*Explain what the class will represent, plus listing what information will be stored in the class and any functions the class will have.*

Comics

{{Comic name}}

{{Comic image}}

{{Comic stock}}

Task 3: Identify information to be displayed

*What information will the interface need to display to the user?*

N/A

Task 4: Identify user inputs

*What program functions can the user trigger through the interface?*

N/A

Task 5: Identify any constants or existing data if required

N/A

Task 6: Identify indexed data structures

I will have a list containing test data

Comics

Super Dude - Starting with 8 in stock

Lizard Man - Starting with 12 in stock

Water Woman - Starting with 3 in stock

Task 7: Determine what calculations are necessary

*Write out the calculations the program will have to compute.*

N/A

Task 8: Develop a modular structure for your program

*Describe any functions that the computer program will have, identifying any sub-functions where required.*

I will have a function called \_\_init\_\_ which creates objects for my class.

Task 9: Define the functions identified

*Describe the functions for both the main program and any classes in terms of input and/or output where required. You may choose to do this with flow charts or pseudo-code (not Python code!). Add in additional steps or explanations using sequential, conditional, iterative statements where required. Identify global and/or local variables.*

IMPORT run, route, view, get, post, request FROM bottle

IMPORT count FROM itertools

Class Comics

Ids count starts from 0

DEFINE \_\_init\_\_ PASS self, name, image, stock

Increase ids count by 1

Set name to self.name

Set image to self.image

Set stock to self.stock

Variable comics is Super Dude, image, 8 in stock

Lizard Man, image, 12 in stock

Water Woman, image, 3 in stock

Start Server

Task 10: Address any relevant implications such as usability, functionality, legal/ethical requirements.

Usability, my code will make sense for anyone reading it as my variables are easily understandable.

Task 11: Document test cases for testing the program

*Document any testing that can be used to test your program. If any input is inputted using the keyboard, describe the expected input, plus any exceptional, boundary or invalid cases.*

Run server

Task 12: Refine the plan

*Note any modifications here when iterating through the development cycles.*

Task 13: Document testing

*Show screenshots of your program working with descriptions of each image. These images should test the tests cases listed above.*