

1. UI calls PRNG Service by writing the word "run" to prng-service.txt
2. PRNG Service reads prng-service.txt, erases it, and writes a pseudo-random number to it
3. UI reads prng-service.txt to get the pseudo-random number
4. UI writes the pseudo-random number to image-service.txt
5. Image Service reads image-service.txt, erases it, and writes an image path to it
6. UI reads image-service.txt then displays the image (or path) to the user

Instructions

PART 1: Plan

After reading through the requirements and instructions, how long do you think it will take to complete the assignment and how will you go about it? Answer the following questions to start planning.

Complete each item below by replacing the **highlighted text** (**Usability note:** double-click the text to select it).

1. Which **programming language** will you use to complete this assignment?

I will be using Python.

2. **How familiar and comfortable** are you with this programming language? For example, when was the last time you used it?

The last time I used Python was spring term of my freshman year, so it's been more than a year since I've last used it. I used Python for CS 161 and CS 162, so I am relatively comfortable with using it again. However, I expect a lot of time dedicated to relearning the language as I forgot most of the basics.

3. Based on the above and other relevant factors, **how long** do you think it'll take to complete the assignment? Explain your answer.

I expect around 3-4 hours to complete the assignment. As I said in my previous answer, the last time I've used Python has been more than a year ago. I feel relatively confident in writing code as I've been coding in different languages throughout the gap. However, I just need to remember and relearn all the basic rules of using Python, which I expect to take up most of my time.

Now that you have a time estimate, I recommend you double it! That'll help give you a time buffer in case you run into issues.

I also recommend scheduling when you'll do the work. How many work sessions will you need? On which days will you work? How will this work fit around the other work you need to do?

Tip: One easy way to schedule your time is to create a text file that starts with today and proceeds