

Usability Testing Memo

To: ENGRC 3500 Student, Usability Tester
From: Star Command
Subject: Conducting a Usability Test for tasks
Date: 3/28/22

Thank you for assisting a fellow team by conducting usability testing on our user document! We value your feedback as a test user so that we can improve our user document before submitting the final iteration on April 28, 2022. To guide you through this usability test, we will first provide a user needs statement and then describe tasks we would like you to perform with our user document.

User Needs Statement

Cornell Engineering undergrads who are new to computer programming need to efficiently learn Jupyter Notebook and Command Line Interfaces in order to pursue work in computer science and data science fields. They need to properly understand how to use Jupyter Notebook to make detailed presentations of their code and how to effectively utilize CLIs to navigate their operating system.

Tasks to Test Our User Document's Usability

As a test user, we would like you to a) perform 3 tasks and b) report your experience trying to complete these tasks. Please use our guide as needed while completing the tasks.

[Project Website](#)

1. Download Python and Jupyter Notebook

Install Jupyter Notebook from <https://jupyter.org/> website. If you don't already have it, install Python 3. Check your version of Python with the following code in a new Jupyter Notebook cell:

```
from platform import python_version
print(python_version())
```

We recommend using Tutorial in our guide to complete this task.

2. Plot with Matplotlib in Jupyter Notebooks

Download the [Jupyter Notebook](#) file and the [sample data](#) to the same folder. The sample data contains the number of trips conducted by NYC taxi drivers in 2017. As instructed

in the Jupyter Notebook, create a plot of the number of trips versus the week of 2017-02-15 for the data set provided.

3. Moving Files using the Terminal

Download this [test](#) file named `test.txt`. Using the terminal create a new folder named “TestFolder”. Find the file downloaded in the previous step, create a copy named `testCopy.txt` and move it to the newly created “TestFolder”. We recommend using Tutorial 6 in our guide to complete this task.

Report Your Feedback

Now that you know which tasks are important for this user document, please show us how you attempted to complete them. Talk out loud (known as a [think out loud](#) method) while you perform these tasks, which gives us greater insight into the difficulties or successes you experienced as a test user.

Note to Self

- Should the CLI open “jupyter notebook”
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