Screen Sense

Installation Guide for Jupyter Notebook (Windows)

# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Step 1: Setup Python** | |
| **Instructions** | **Screenshot** |
| 1. Click on the link below, which will direct you to the Python downloads website:   <https://www.python.org/downloads/> |  |
| 1. Once on the page, find the "Downloads" menu at the top of the website. From the dropdown menu, click on "Windows". |  |
| 1. Download the Latest Version of Python:  * A new page with available Windows versions of Python will open. * At the top, you will see the latest version of Python (currently Python 3.13.0). * Click on this latest version to open the download page. |  |
| 1. Choose the Appropriate Installer:  * Scroll down to find the section with a table of files for download. * Based on your computer's system, select either the Windows x86-64 executable installer (for 64-bit systems) or Windows x86 executable installer (for 32-bit systems). * Click to download the appropriate installer for your system. |  |
| 1. Locate the Downloaded Installer File:  * After downloading, go to your computer’s Downloads folder. * Find the Python installer file and double-click on it to begin the installation process. |  |
| 1. Begin the Installation:  * When the installer window opens, check the box at the bottom that says "Add Python.exe to PATH." This step is crucial for running Python from the command prompt. * Click on "Install Now" to start the installation. |  |
| 1. Complete the Installation:  * The installation process will begin, and once it's complete, a window will appear saying the installation was successful. * Click on "Close" to finish. |  |

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| **Step 2: Setup Jupyter Notebook** | |
| **Instructions** | **Screenshot** |
| 1. Open Terminal:  * Click on the Windows Search bar (next to the Start menu). * Type "Terminal" and select it from the results. |  |
| 1. Verify Python Installation:  * In the Command Prompt, type the following command and press Enter: python –version. * You should see the latest Python version installed on your system (for example, Python 3.12.6). If this appears, your Python setup is correct. |  |
| 1. Install Jupyter Notebook:  * Once you've confirmed Python is installed, type the following command to install Jupyter Notebook: pip install Jupyter * Press Enter to start the installation process. The installation may take a few minutes as Jupyter Notebook and all necessary dependencies are downloaded and installed. |  |
| 1. Wait for Installation Completion:  * After the installation is finished, the command prompt will return to the initial line starting with something like PS C:\Users\Admin>. * This means the installation is complete, and your system is ready. |  |

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| **Step 3: Launch Jupyter Notebook** | |
| **Instructions** | **Screenshot** |
| 1. Launch Jupyter Notebook:  * Open the Terminal again by searching "Terminal" in the Windows search bar. * Type the following command and press Enter: Jupyter notebook. * This will open Jupyter Notebook in your default web browser. If you don't have a default browser, a prompt will appear asking you to choose a browser. |  |
| 1. Navigate to the Home Page:  * Once Jupyter Notebook opens, you will see the home page with a list of your computer's folders and files. |  |
| 1. Upload the. ipynb File:  * The "Upload" button is at the top-right corner of the Jupyter home page. Click on it (refer to the screenshot for clarity). * A window will pop up, prompting you to locate the file. * Navigate to your Downloads folder (or wherever you saved the Working Files folder). * Open the Working Files folder and select the notebook file: "screen sense.ipynb". * Click "Open". |  |
| 1. Upload the File:  * After clicking "Open," the file will appear in the Jupyter Notebook home page. * Click on the "Upload" button next to the file name to complete the upload process. |  |
| 1. Open the Notebook:  * Once the file is uploaded, double-click on "screen sense.ipynb". * A new tab will open with the notebook, ready for use. |  |
| * This notebook contains comprehensive details about the code used and its underlying logic. It is structured to guide you through each step of the process. To fully understand and execute, please follow these steps: * Review the code and explanations provided before each cell to grasp the methodology and logic. * Run each cell sequentially by pressing Shift + Enter to execute the code. * Begin by executing the first code cell. | |