Ist Iteration for Design of PIP GUI

horizontal line

# Product:

The product developed will be a GUI for *pip* to make various functionalities of *pip* ( a command line tool for installing Python packages) easily accessible to users. Main motivation behind the need for GUI version of Python Package Manager is :

* Make various functionalities provided by PIP easily accessible to Windows/LINUX/Mac based users
* Help people to focus only on fulfilling the task of installing Python packages rather than getting in unavoidable trouble of configuring various paths, versions and configurations

# Target Users:

1. Windows Users ( who have difficulty using command prompt )
2. In case of LINUX or MacOS, people who have little or no experience with Python packages
3. Users who maintain multiple versions of Python in their system
4. Users who need to manage Python packages in virtualenv ( Last priority )

# User Goals:

1. Avoid command line to manage ( i.e. install/update/uninstall) Python packages
2. Manage packages for different versions of Python installed in the system

# User Tasks:

1. Search, select version and install package ( including dependencies : first tell user about total download size including dependencies )
2. Check for new updates and install them.
3. Uninstall a package
4. Support different installation methods :
   1. Requirements.txt files
   2. .whl files
   3. From local archives
5. Manage packages in virtual environment