**PyPI Project**

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Hi,

In this project, we will be creating a PyPI package with the name "service-stash". The 1st version of this package will include HTTPConstants, Basic Error codes, User-defined exceptions, Firebase DB connection call for Firestore.

Please make sure you have satisfied the following requirements,

1. A Github Account. Please share it with me for providing access.
2. Using PyCharm IDE. Download the IDE from "<https://www.jetbrains.com/pycharm/download/download-thanks.html?platform=windows&code=PCC>"
3. Use 'Python 3.6' for the development. Download the setup from "<https://www.python.org/ftp/python/3.6.8/python-3.6.8-amd64.exe>"
4. Install python on your system and remember the installed path. You could also find your python installed python using a Command Prompt command "*where python*". (Refer to <https://stackoverflow.com/questions/647515/how-can-i-find-where-python-is-installed-on-windows>)
5. Open your command prompt and give the command "*pip install virtualenv*". This package should install in your system globally. Refer to "<https://stackoverflow.com/questions/35017160/how-to-use-virtualenv-with-python>". In case if you face any error like "*pip is not recognized as an internal or external command*", then please check the environment variables of your system. It should have your python path. Refer to <https://stackoverflow.com/questions/23708898/pip-is-not-recognized-as-an-internal-or-external-command>
6. Now you are ready to work on any python projects.
7. For the version control, we shall use Github. Make sure you have Git bash installed in your system globally. Download the setup from "<https://git-scm.com/downloads>"

**How to create a local setup of our project on your PC?**

1. Open PyCharm
2. Click the '*Create Project'* option from the File menu or welcome tab.
3. Provide a local location of your project in the '*Location*' text box.
4. Choose '*New environment using "Virtualenv"*' option under 'Project Interpreter: New Virtual environment'
5. Browse and select the "*python.exe*" setup from the installed location of Python v
6. Click '*Create*' to create the new project.
7. Once the project is created, click the "*terminal*" tab available at the bottom of the IDE. You should see a prefix text enclosed within the parenthesis before the terminal path. Eg: '*(venv) F:\Projects\service-stash>'.*Now you could able to work on this project.

**How to use the code with Github?**

1. Open your terminal in your IDE.
2. To initialize your local directory for Github, provide "*git init*" command.
3. Establish a remote connection with your directory with "git remote add origin <https://github.com/britsa/service-stash>" command.
4. To pull the latest code, use the "*git pull origin master*" command. You should use this command whenever you decided to pull the stable code of the repository. Once pulled, you could install all the required dependencies using the command "*pip install -r requirements.txt*".
5. Create your own branch with the "*git checkout -b <branch\_name>*" command. Eg: If you decide your branch name to be "*regi-dev*", then you can provide the command as "*git checkout -b regi-dev*".
6. Do your changes on the python file. Once you have completed and decided to move your code to github, use the command "*git add .*" to add all the files in the repository.
7. Commit your changes with a message using "git commit -m <message>". You shall provide any meaningful message on this command.
8. Finally, push the code to your branch with "*git push origin <branch\_name>*" command. Once your code is pushed to the branch, you need to create a pull request to *master*branch from your branch on the Github website.