**PORTAL: Initial Setup**

**Initial Setup 1:** Configuring environment variable and git

**Virtual Environment Setting:**

1. Create three virtual environment (Development, Testing, Production)

Development: portal-dev (*mkvirtualenv portal-dev*)

Testing: portal-test (*mkvirtualenv portal-test*)

Production: portal-prod (*mkvirtualenv portal-prod* )

1. portal-dev:

**Pip install django**

Project Name: firework {***django-admin.py startproject prodproj***}

1. portal-test:

**Pip install django**

**Pip install selenium**

**Requirement Files(following command will work on linux only)**

1. make a requirement folder in root of the project

**mkdir requirements**

**touch requirements/{base.txt,development.txt,production.txt,testing.txt}**

**echo “Django==1.8.11” >> base.txt**

**echo “-r base.txt” | tee –a development.txt production.txt testing.txt**

**cat “selenium==2.53.1” >> testing.txt**

1. Activate particular environment and install all the dependency.

**workon firework-dev**

**pip install –r requirements/development.txt**

**workon firework-test**

**pip install –r requirements/testing.txt**

**Settings for each Environment:**

1. Create a settings folder under project\_name folder.

**mkdir portalproj/settings**

**touch \_\_init\_\_.py base.py development.py production.py testing.py**

**echo “from .base import \*” | tee -a development.py production.py testing.py**

**mv ./setting.py base.py**

**Changes in Environment Variable:**

**Make the changes for each environment{dev, testing, production}**

1. Navigate to “C:\users\om\Envs\**<Virtualenv\_name>**\scripts\**activate.bat**”

Add the following line:

**set "DJANGO\_SETTINGS\_MODULE=portalproj.settings.development"**

In **deactivate.bat** add the following line.

**set DJANGO\_SETTINGS\_MODULE=**

**Production Setting: Debug False**

1. Cut DEBUG variable from base.py file and copy in development.py(DEBUG=True), testing.py(DEBUG=True), production.py(DEBUG=False)

**Django Security and Secret key:**

**Note: Copy the secret key from base.py file and remove the line from base.py file.**

1. Navigate to “C:\users\om\Envs\**<Virtualenv\_name>**\scripts\**activate.bat**”

Add the following line:

**set "SECRET\_KEY=<secret-key>"**

In **deactivate.bat** add the following line.

**set SECRET\_KEY=**

1. Edit setting/base.py file and remove secret key add the following function.

***from django.core.exceptions import ImproperlyConfigured***

***def get\_env\_variable(var\_name):***

***try:***

***return os.environ[var\_name]***

***except KeyError:***

***error\_msg = "Set the %s environment variable" % var\_name***

***raise ImproperlyConfigured(error\_msg)***

***SECRET\_KEY = get\_env\_variable('SECRET\_KEY')***

**Git Setting:**

**Following the below steps to configure git.(remove ‘’(quotes) from .gitignore file)**

1. Navigate to “C:\Users\om\Desktop\firewrok\_sites\SourceCode” folder
2. git init
3. git config user.name "monish"
4. git config user.email "monish7792@gmail.com"
5. create .gitignore file
6. git add .
7. git status
8. git rm --cached db.sqlite
9. git rm -r --cached superlists/\_\_pycache\_\_/
10. echo 'db.sqlite3' >> .gitignore
11. echo '\_\_pycache\_\_' >> .gitignore
12. git add .gitignore
13. git status
14. git commit –m “The Initial Setup1: Configured environment variable and git”
15. git log