

■ 장고 프로젝트 배포

● 버전 관리 시스템 : GitHub

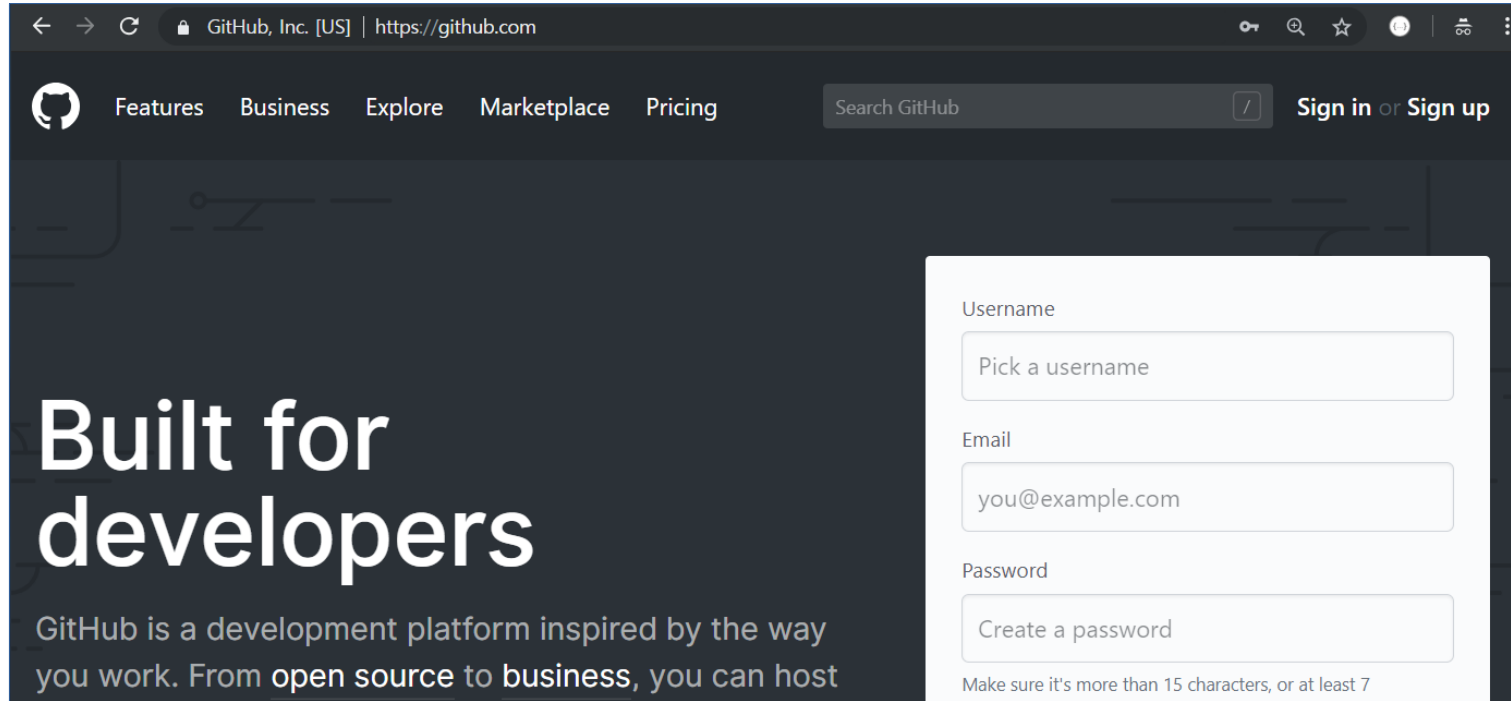
– <https://github.com>

● 웹호스팅 : PythonAnywhere

– <https://www.pythonanywhere.com>

■ 장고 프로젝트 배포

● 버전 관리 시스템 : GitHub



The image shows the GitHub homepage in a web browser. The browser's address bar displays "GitHub, Inc. [US] | https://github.com". The navigation bar includes the GitHub logo, links for "Features", "Business", "Explore", "Marketplace", and "Pricing", a search bar labeled "Search GitHub", and a "Sign in or Sign up" button. The main content area features the text "Built for developers" and a description of GitHub as a development platform. A white sign-up form is overlaid on the right side of the page, containing fields for "Username", "Email", and "Password".

GitHub, Inc. [US] | https://github.com

Features Business Explore Marketplace Pricing Search GitHub Sign in or Sign up

Built for developers

GitHub is a development platform inspired by the way you work. From open source to business, you can host

Username

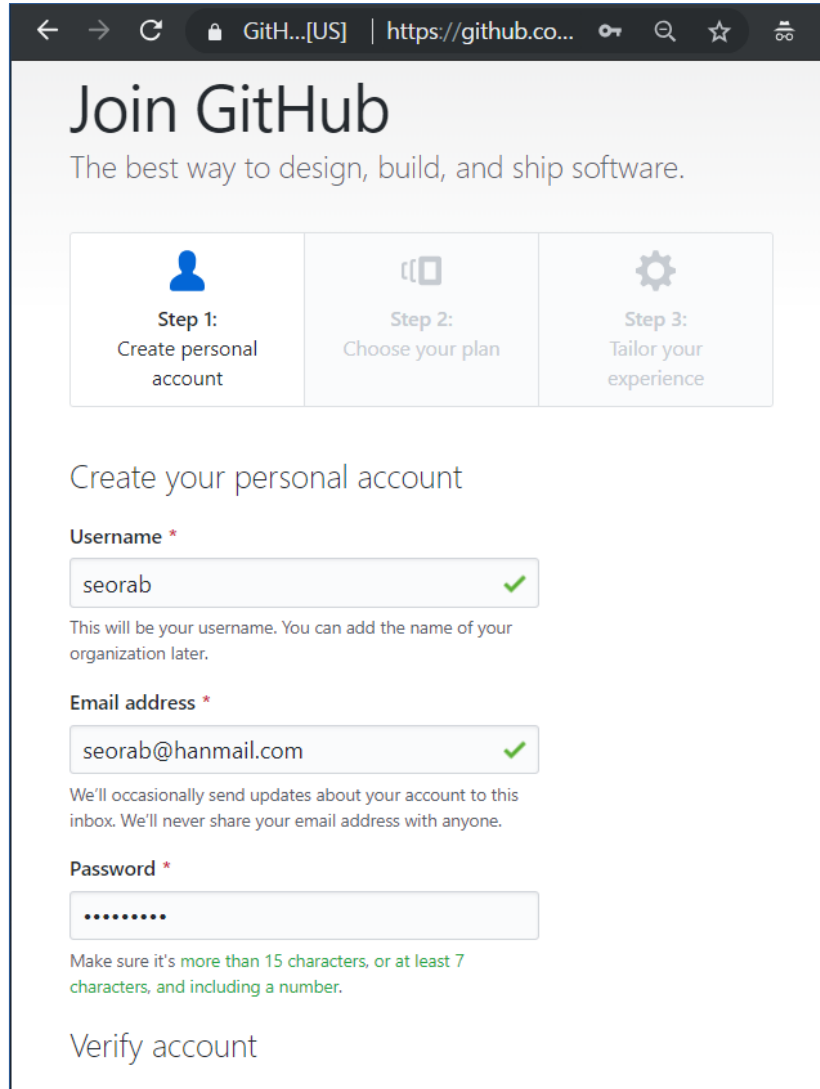
Email

Password

Make sure it's more than 15 characters, or at least 7

장고 프로젝트 배포

회원가입



The screenshot shows the GitHub 'Join GitHub' page in a web browser. The browser's address bar shows 'https://github.co...'. The page has a light gray background with a dark header bar containing navigation icons. The main heading is 'Join GitHub' with the tagline 'The best way to design, build, and ship software.' Below this, there are three steps outlined in boxes: Step 1: Create personal account (with a person icon), Step 2: Choose your plan (with a document icon), and Step 3: Tailor your experience (with a gear icon). The 'Create your personal account' section is active. It includes a 'Username' field with the value 'seorab' and a green checkmark, followed by a note: 'This will be your username. You can add the name of your organization later.' Below that is an 'Email address' field with the value 'seorab@hanmail.com' and a green checkmark, followed by a note: 'We'll occasionally send updates about your account to this inbox. We'll never share your email address with anyone.' The 'Password' field is currently empty, showing only dots, with a note below it: 'Make sure it's more than 15 characters, or at least 7 characters, and including a number.' At the bottom of the form is a 'Verify account' link.

Join GitHub

The best way to design, build, and ship software.

Step 1: Create personal account

Step 2: Choose your plan

Step 3: Tailor your experience

Create your personal account

Username *

seorab ✓

This will be your username. You can add the name of your organization later.

Email address *

seorab@hanmail.com ✓

We'll occasionally send updates about your account to this inbox. We'll never share your email address with anyone.

Password *

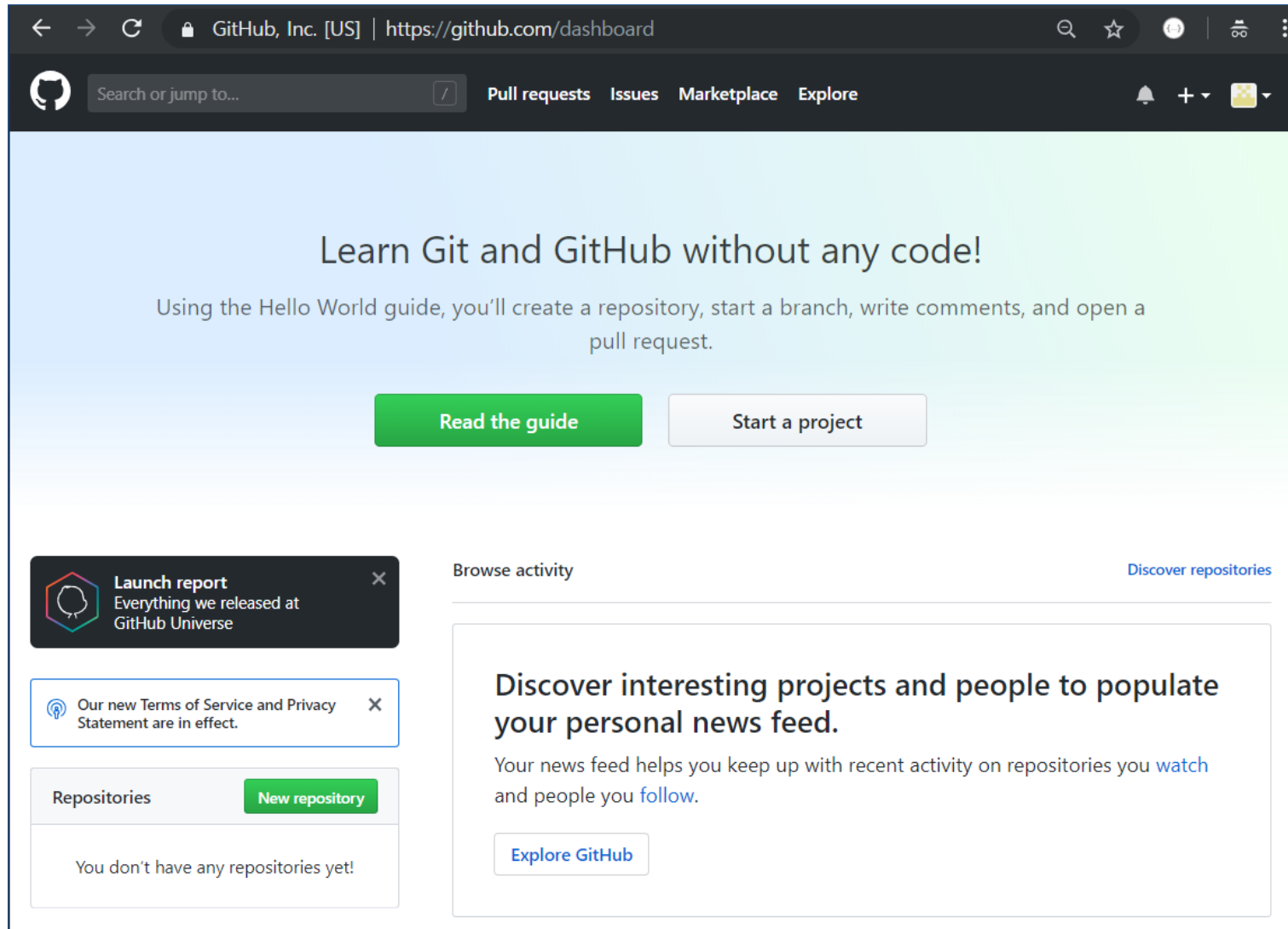
.....

Make sure it's more than 15 characters, or at least 7 characters, and including a number.

Verify account

■ 장고 프로젝트 배포


● Dashboard



■ 장고 프로젝트 배포

● 저장소 생성


← → ↻ 🔒 GitHub, Inc. [US] | https://github.com/new 🔍 ☆ ⓘ ⚙️

 Search or jump to... / Pull requests Issues Marketplace Explore 🔔 + ▾ 🗺 ▾

Create a new repository


A repository contains all the files for your project, including the revision history.


Owner **Repository name**

 seorab ▾ / mysite ✓

Great repository names are short and memorable. Need inspiration? How about **didactic-barnacle**.

Description (optional)

☒  **Public**
Anyone can see this repository. You choose who can commit.

☐  **Private**
You choose who can see and commit to this repository.

☒ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾ | Add a license: None ▾ ⓘ

Create repository

■ 장고 프로젝트 배포

● 저장소 생성

The screenshot shows the GitHub web interface for creating a new repository. The browser address bar shows 'https://github.com/seorab/mysite'. The GitHub navigation bar includes a search bar, 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. The repository name 'seorab / mysite' is displayed, along with 'Watch', 'Star', and 'Fork' buttons, each with a count of 0. Below the navigation bar, tabs for 'Code', 'Issues', 'Pull requests', 'Projects', 'Wiki', 'Insights', and 'Settings' are visible. The main content area is titled 'Quick setup — if you've done this kind of thing before' and offers two options: 'Set up in Desktop' and 'HTTPS' (selected). The HTTPS option shows the repository URL 'https://github.com/seorab/mysite.git'. A note recommends including a README, LICENSE, and .gitignore. Below this, there are two sections for creating a repository from the command line. The first section, '...or create a new repository on the command line', provides a series of git commands to initialize a new repository and push it to GitHub. The second section, '...or push an existing repository from the command line', provides the commands to add a new remote and push an existing repository to it.

Quick setup — if you've done this kind of thing before

Set up in Desktop or **HTTPS** SSH

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

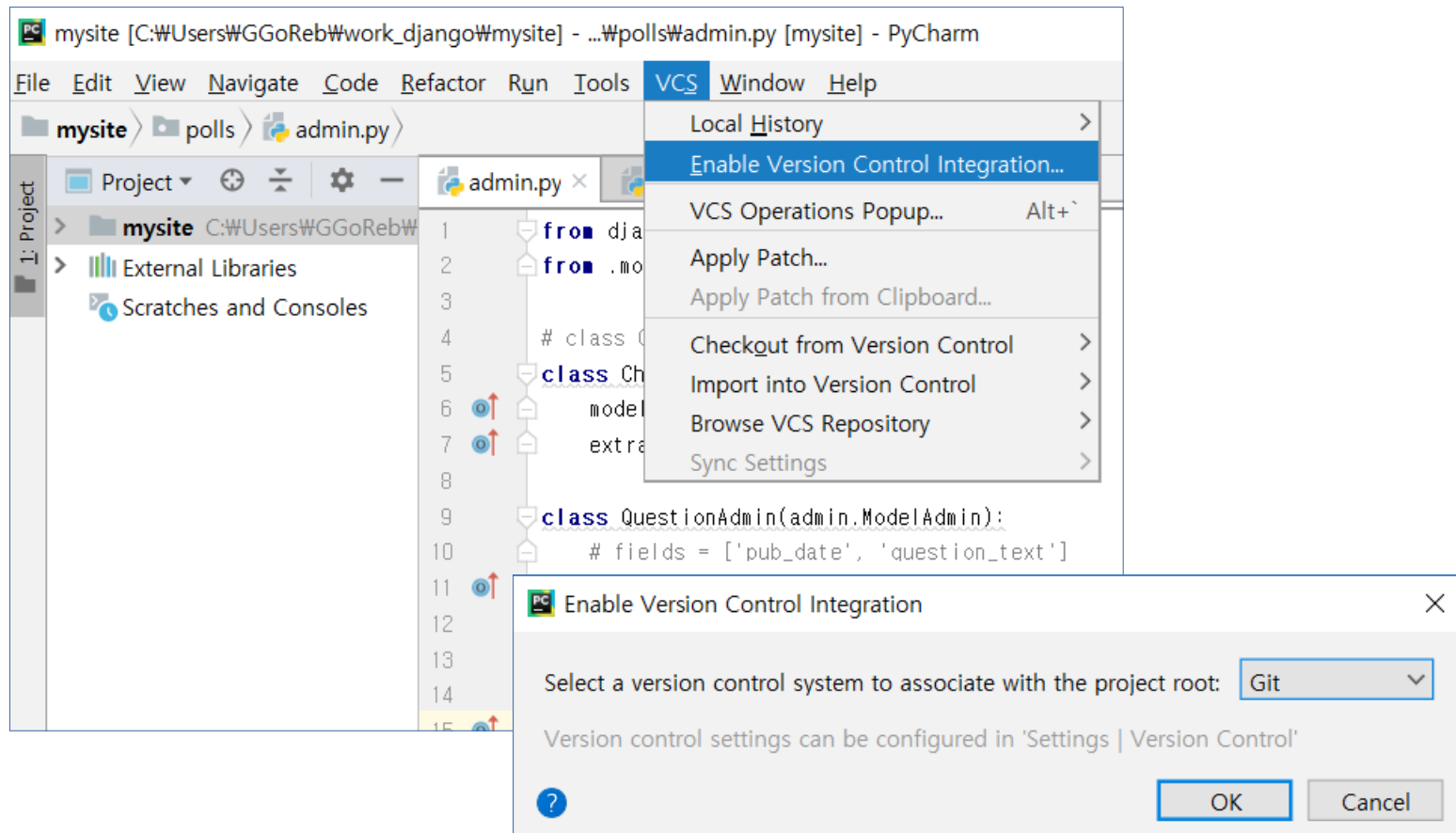
```
echo "# mysite" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/seorab/mysite.git
git push -u origin master
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/seorab/mysite.git
git push -u origin master
```

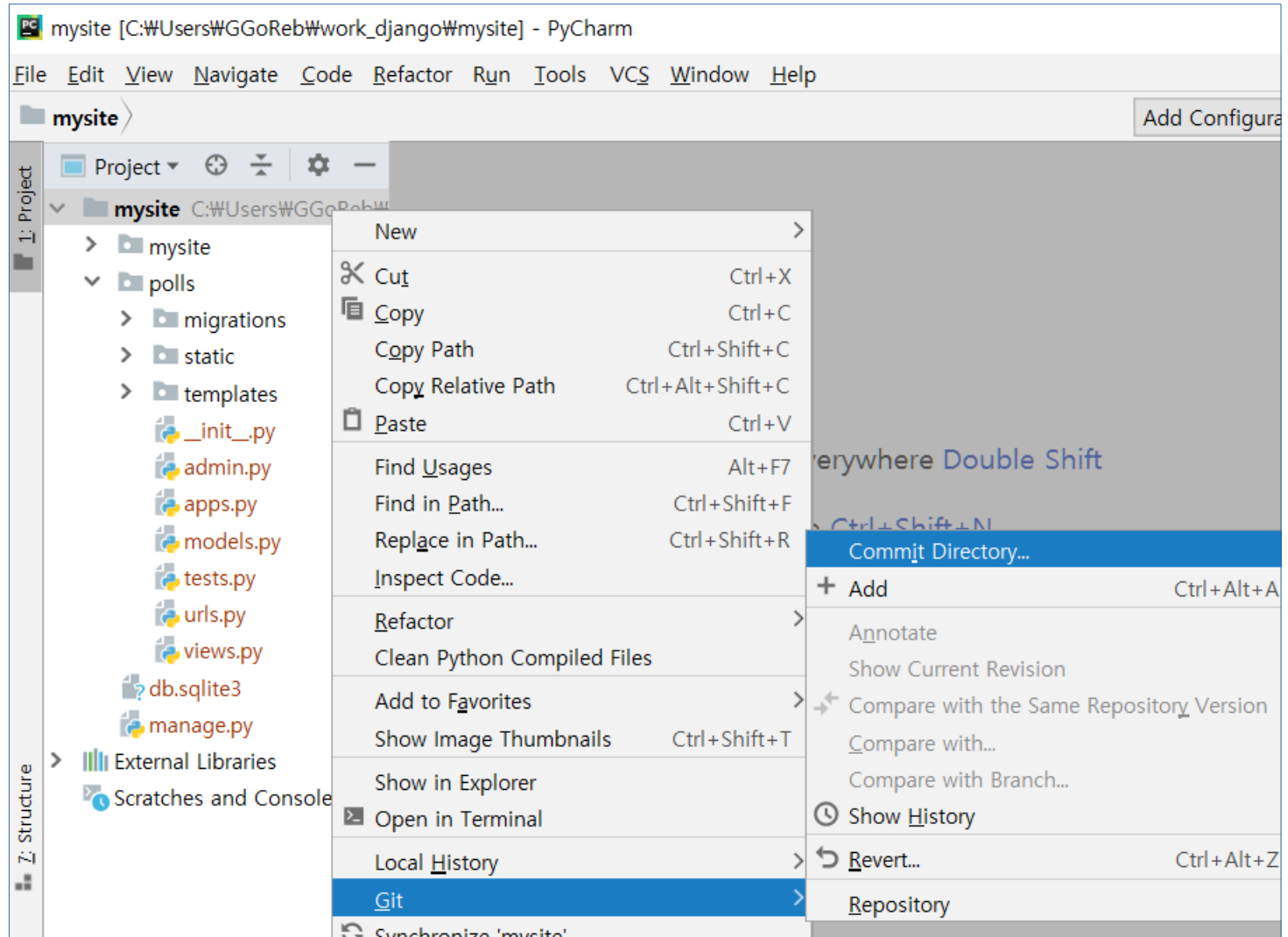
■ 장고 프로젝트 배포

● 프로젝트 VCS 설정



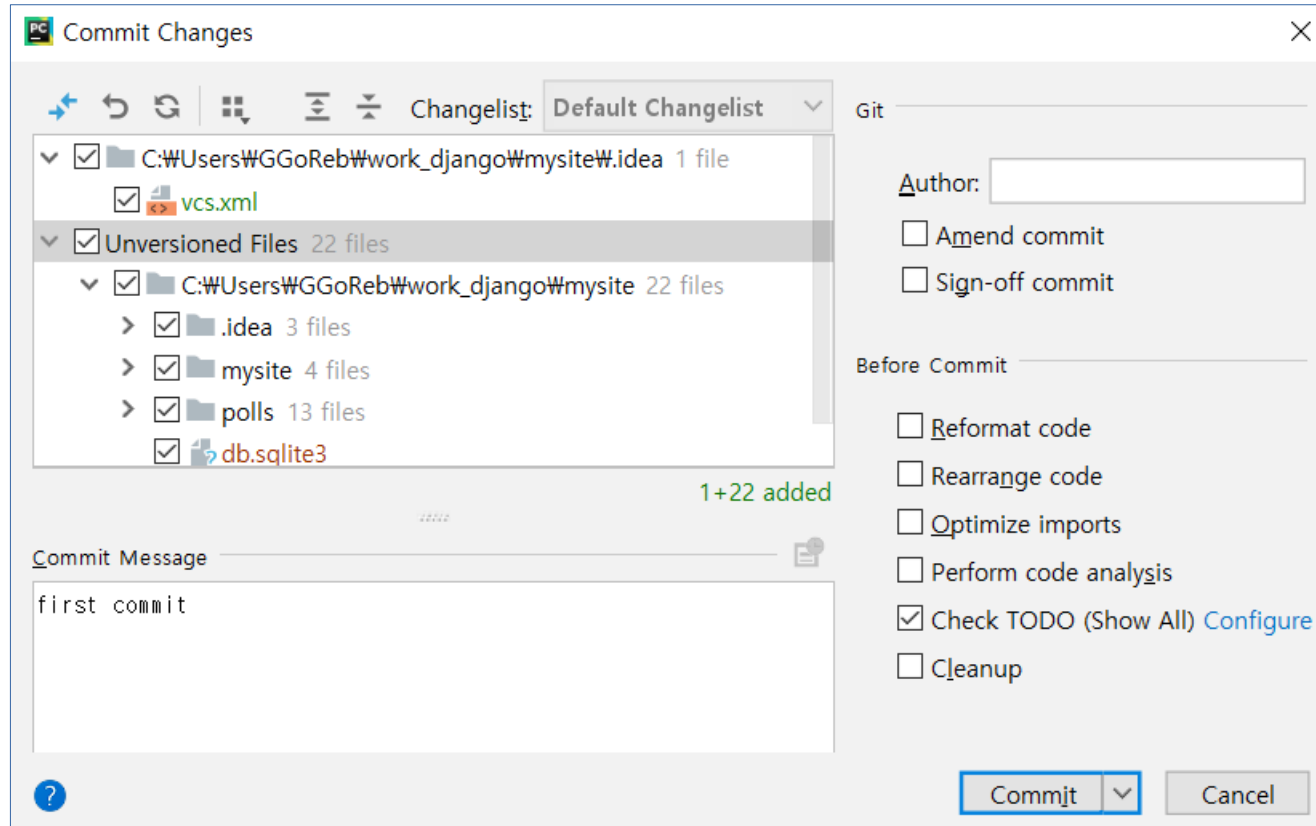
■ 장고 프로젝트 배포

● 프로젝트 commit



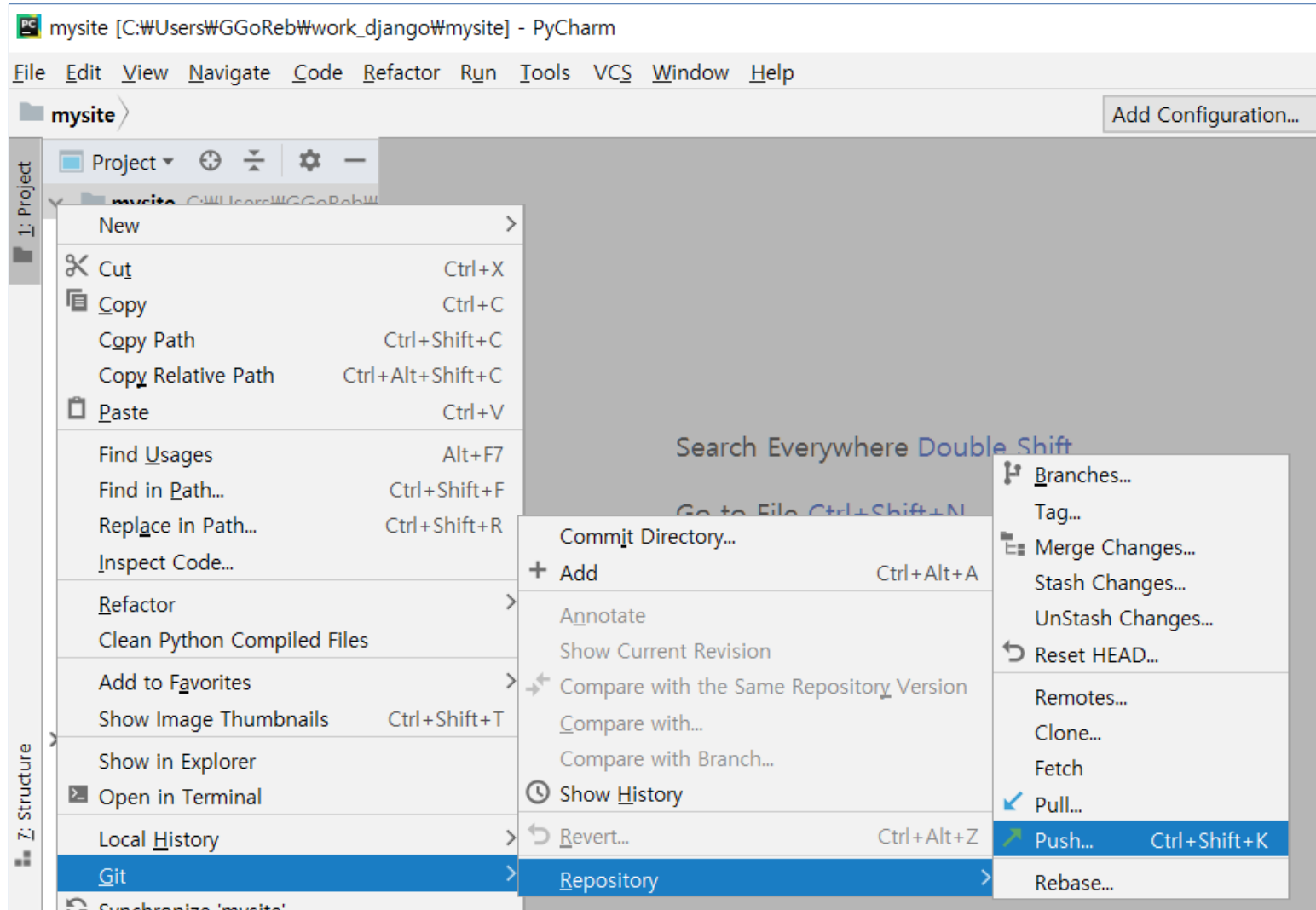
장고 프로젝트 배포

프로젝트 commit



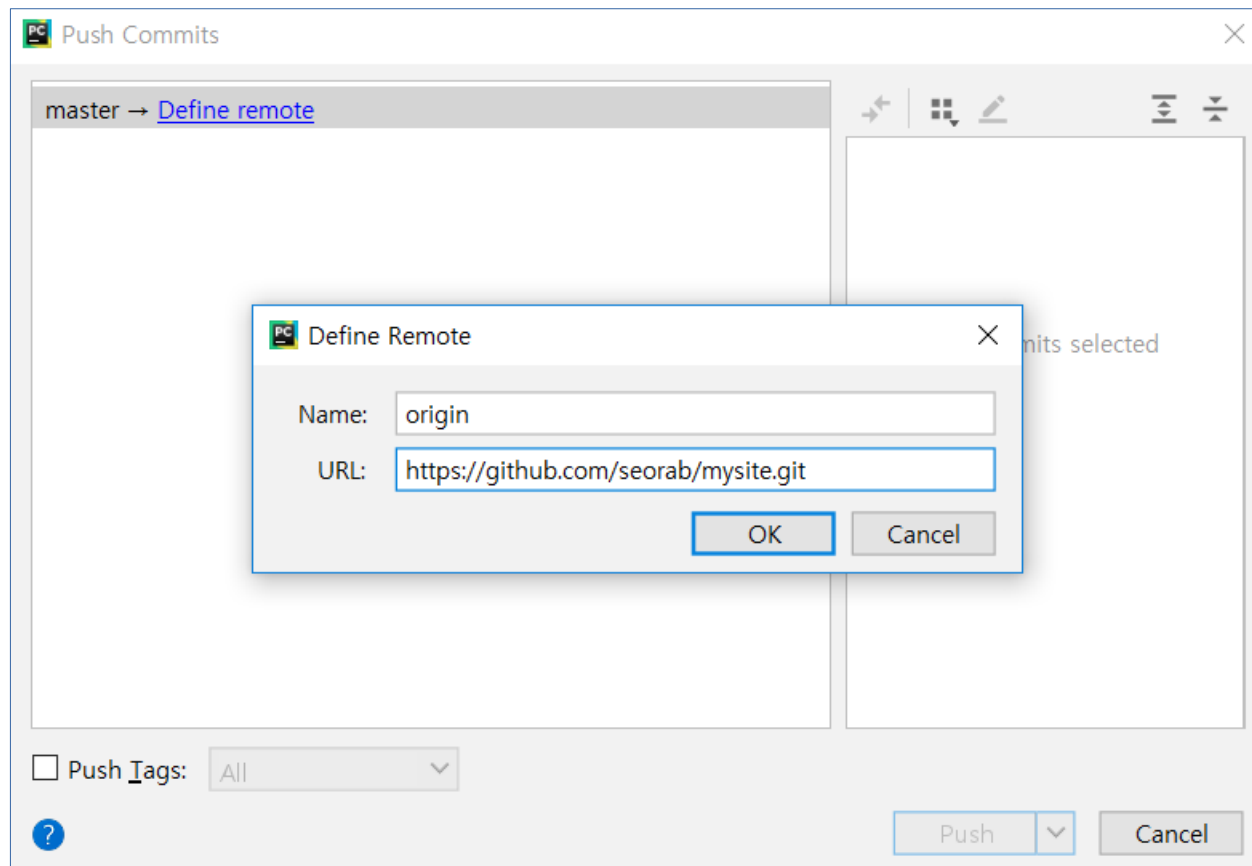
장고 프로젝트 배포

프로젝트 push



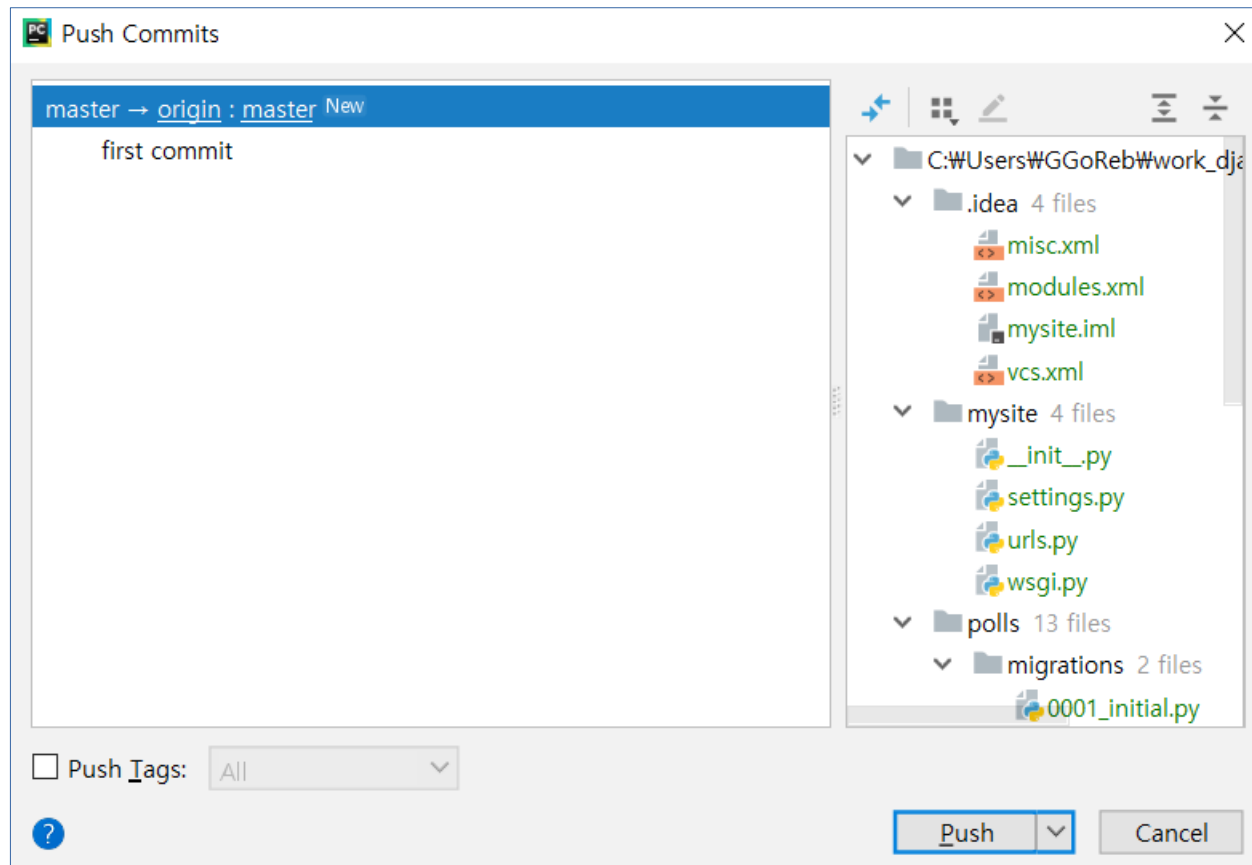
■ 장고 프로젝트 배포

● 프로젝트 push



■ 장고 프로젝트 배포

● 프로젝트 push



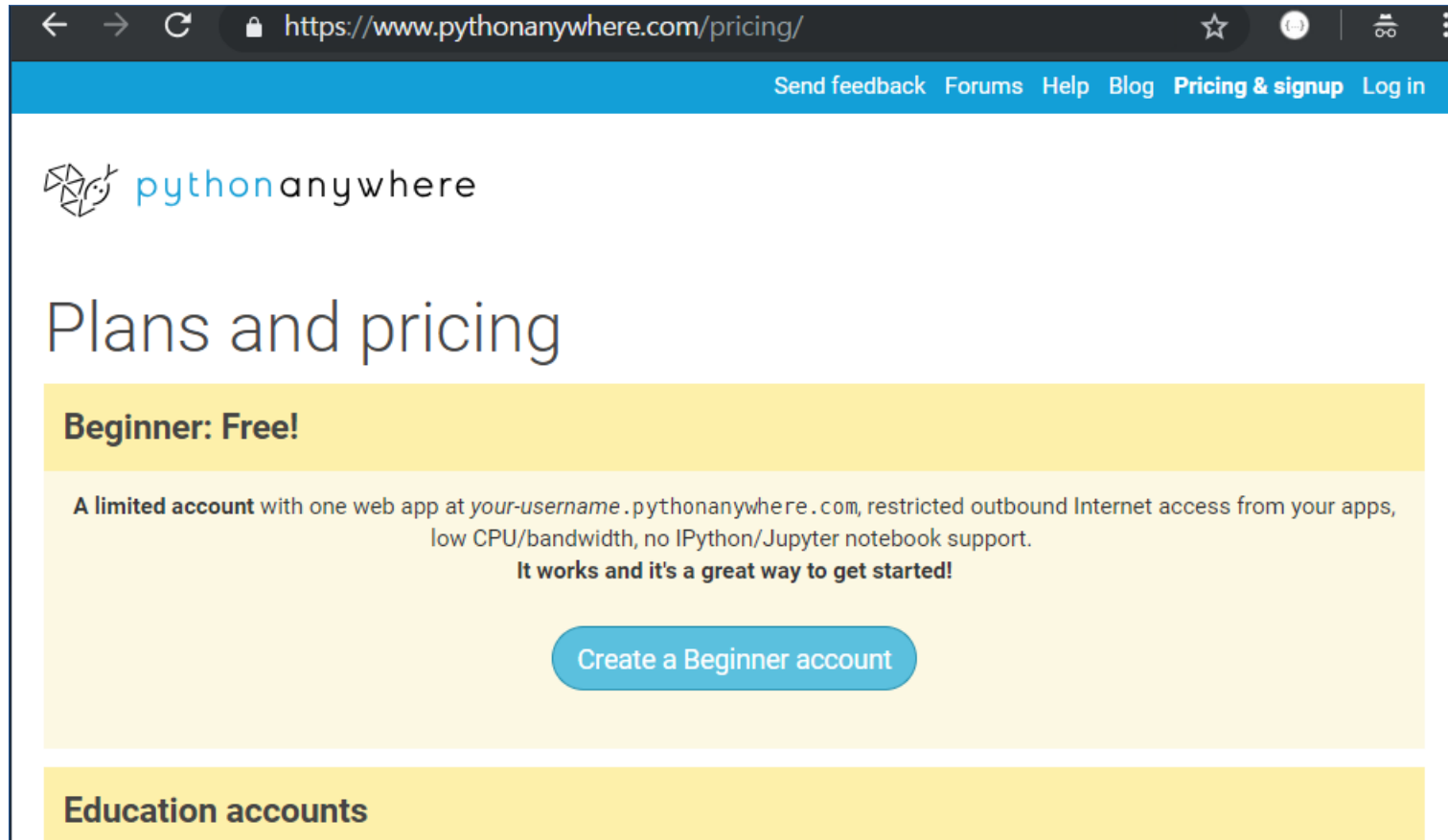
■ 장고 프로젝트 배포

● 웹호스팅 : PythonAnywhere




■ 장고 프로젝트 배포

● 회원가입



The screenshot shows a web browser window with the URL <https://www.pythonanywhere.com/pricing/>. The page features a blue navigation bar with links: "Send feedback", "Forums", "Help", "Blog", "Pricing & signup", and "Log in". The main content area has the PythonAnywhere logo and the title "Plans and pricing". A prominent yellow box highlights the "Beginner: Free!" plan, which is described as a "limited account" with one web app, restricted outbound Internet access, and no IPython/Jupyter notebook support. A blue button labeled "Create a Beginner account" is centered below the description. At the bottom, another yellow box is labeled "Education accounts".

Send feedback Forums Help Blog Pricing & signup Log in

 pythonanywhere

Plans and pricing

Beginner: Free!

A **limited account** with one web app at `your-username.pythonanywhere.com`, restricted outbound Internet access from your apps, low CPU/bandwidth, no IPython/Jupyter notebook support.

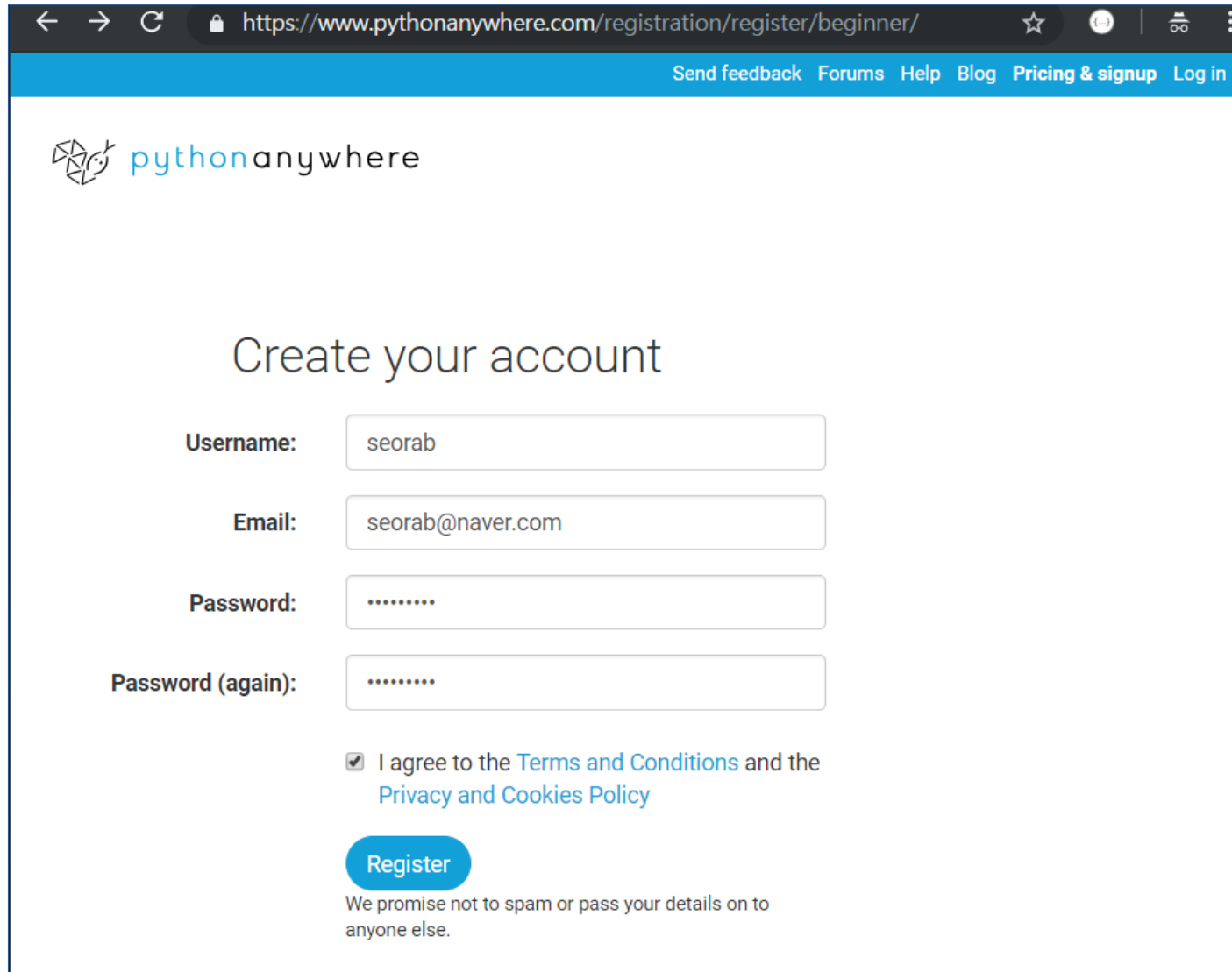
It works and it's a great way to get started!

Create a Beginner account

Education accounts

■ 장고 프로젝트 배포


● 회원가입



The image shows a web browser window displaying the registration page for PythonAnywhere. The browser's address bar shows the URL `https://www.pythonanywhere.com/registration/register/beginner/`. The page has a blue header with navigation links: "Send feedback", "Forums", "Help", "Blog", "Pricing & signup", and "Log in". The PythonAnywhere logo is in the top left. The main heading is "Create your account". Below this are four input fields: "Username:" with the value "seorab", "Email:" with the value "seorab@naver.com", "Password:" with masked characters ".....", and "Password (again):" also with masked characters ".....". A checkbox is checked, indicating agreement to the "Terms and Conditions" and "Privacy and Cookies Policy". A blue "Register" button is positioned below the checkbox. At the bottom, a small disclaimer states: "We promise not to spam or pass your details on to anyone else."

← → ↻ 🔒 `https://www.pythonanywhere.com/registration/register/beginner/` ☆ ⓘ ⚙

Send feedback Forums Help Blog Pricing & signup Log in

 pythonanywhere

Create your account

Username:

Email:

Password:

Password (again):

☒ I agree to the [Terms and Conditions](#) and the [Privacy and Cookies Policy](#)

[Register](#)

We promise not to spam or pass your details on to anyone else.

장고 프로젝트 배포

● Dashboard

The screenshot shows the PythonAnywhere dashboard for user 'seorab'. The browser address bar shows 'https://www.pythonanywhere.com/user/seorab/'. The top navigation bar includes links for 'Send feedback', 'Forums', 'Help', 'Blog', 'Account', and 'Log out'. The main header features the PythonAnywhere logo and a navigation menu with 'Dashboard' (active), 'Consoles', 'Files', 'Web', 'Tasks', and 'Databases'. A yellow warning box states: 'Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).' The main content area has a large 'Dashboard' heading and a welcome message 'Welcome back, [seorab](#)'. Below this, system status is shown: 'CPU Usage: 0% used - 0.00s of 100s. Resets in 23 hours, 59 minutes' with a 'More Info' button, and 'File storage: 0% full - 8.0 KB of your 512.0 MB quota'. An 'Upgrade Account' button is on the right. The dashboard is divided into two columns. The left column has a 'Recent Consoles' section with a '+ 5 -' button and the message 'You have no recent consoles.' Below it is a 'New console:' section with three buttons: '\$ Bash' (highlighted with a red box), '>>> Python' (with a dropdown arrow), and 'More...'. The right column has a 'Recent Files' section with a '+ 5 -' button and the message 'You have no recently edited files.' Below it are two buttons: '+ Open another file' and 'Browse files'. At the bottom of the right column, the word 'Recent' is partially visible.

pythonanywhere Dashboard Consoles Files Web Tasks Databases

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

Dashboard

Welcome back, [seorab](#)

CPU Usage: 0% used - 0.00s of 100s. Resets in 23 hours, 59 minutes [More Info](#)

File storage: 0% full - 8.0 KB of your 512.0 MB quota

[Upgrade Account](#)

Recent Consoles

+ 5 -

You have no recent consoles.

New console:

[\\$ Bash](#) [>>> Python](#) [More...](#)

Recent Files

+ 5 -

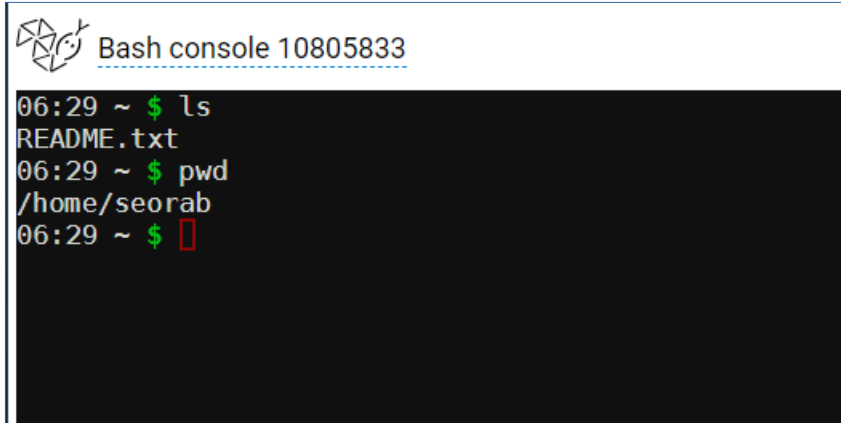
You have no recently edited files.

[+ Open another file](#) [Browse files](#)

Recent

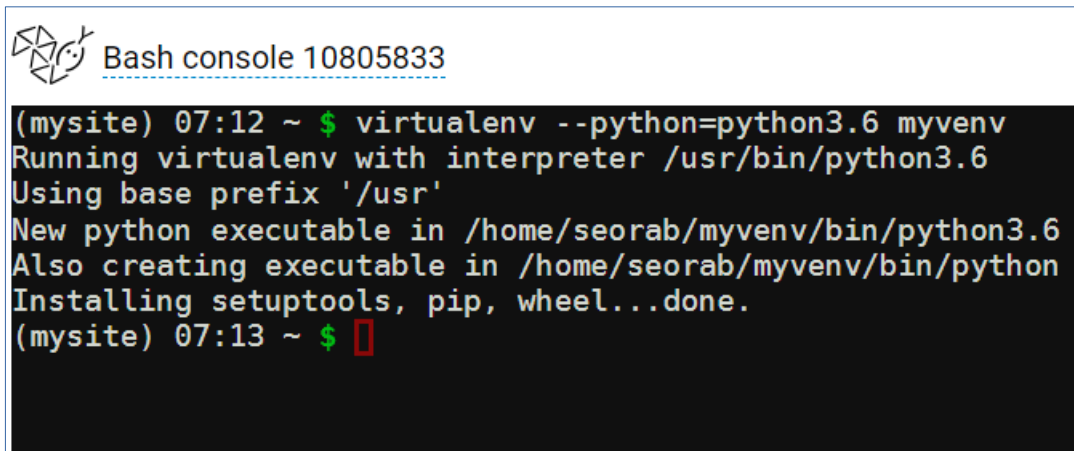
■ 장고 프로젝트 배포

● 터미널 접속



```
Bash console 10805833
06:29 ~ $ ls
README.txt
06:29 ~ $ pwd
/home/seorab
06:29 ~ $
```

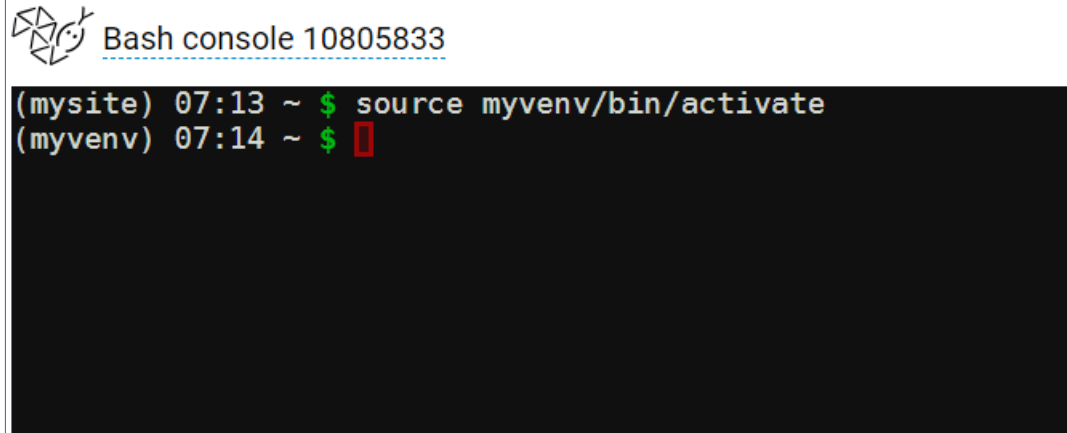
● 파이썬 가상환경 설정 : `virtualenv --python=python3.6 myenv`



```
Bash console 10805833
(mysite) 07:12 ~ $ virtualenv --python=python3.6 myenv
Running virtualenv with interpreter /usr/bin/python3.6
Using base prefix '/usr'
New python executable in /home/seorab/myenv/bin/python3.6
Also creating executable in /home/seorab/myenv/bin/python
Installing setuptools, pip, wheel...done.
(mysite) 07:13 ~ $
```

■ 장고 프로젝트 배포

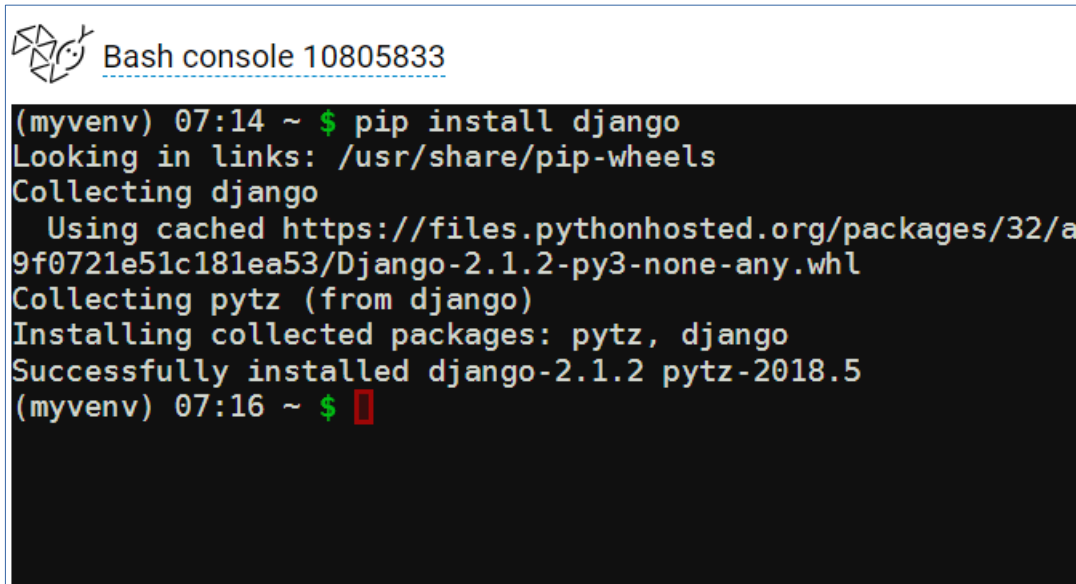
- 파이썬 가상환경 실행 : `source myenv/bin/activate`



A terminal window titled "Bash console 10805833" with a logo icon. It shows the command `source myenv/bin/activate` being executed. The prompt changes from `(mysite)` to `(myenv)`, indicating the virtual environment is active.

```
(mysite) 07:13 ~ $ source myenv/bin/activate
(myenv) 07:14 ~ $
```

- 장고 설치 : `pip install django`



A terminal window titled "Bash console 10805833" with a logo icon. It shows the command `pip install django` being executed. The output shows that Django and its dependency pytz are being collected and installed successfully.

```
(myenv) 07:14 ~ $ pip install django
Looking in links: /usr/share/pip-wheels
Collecting django
  Using cached https://files.pythonhosted.org/packages/32/a
9f0721e51c181ea53/Django-2.1.2-py3-none-any.whl
Collecting pytz (from django)
Installing collected packages: pytz, django
Successfully installed django-2.1.2 pytz-2018.5
(myenv) 07:16 ~ $
```

■ 장고 프로젝트 배포

● github에 등록되어 있는 프로젝트 다운로드 (clone)

-git clone [github clone uri]



Bash console 10805833

```
(myvenv) 07:19 ~ $ git clone https://github.com/seorab/mysite.git
Cloning into 'mysite'...
remote: Enumerating objects: 31, done.
remote: Counting objects: 100% (31/31), done.
remote: Compressing objects: 100% (26/26), done.
remote: Total 31 (delta 0), reused 31 (delta 0), pack-reused 0
Unpacking objects: 100% (31/31), done.
Checking connectivity... done.
(myvenv) 07:19 ~ $
```

● 다운로드 확인

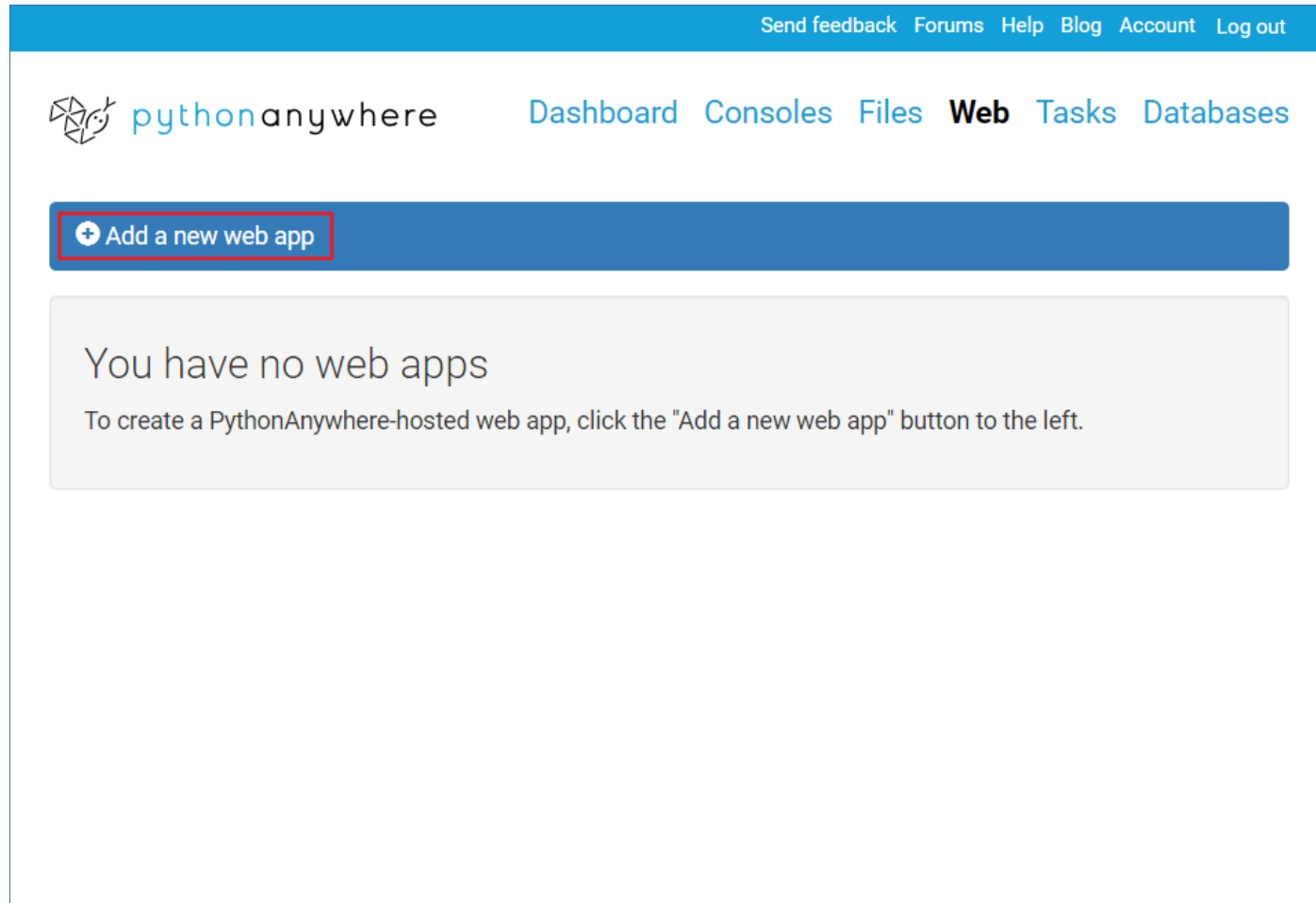


Bash console 10805833

```
(myvenv) 07:43 ~ $ ls
README.txt  mysite  myvenv
(myvenv) 07:43 ~ $ cd mysite
(myvenv) 07:43 ~/mysite (master)$ ls
db.sqlite3  manage.py  mysite  polls
(myvenv) 07:44 ~/mysite (master)$
```

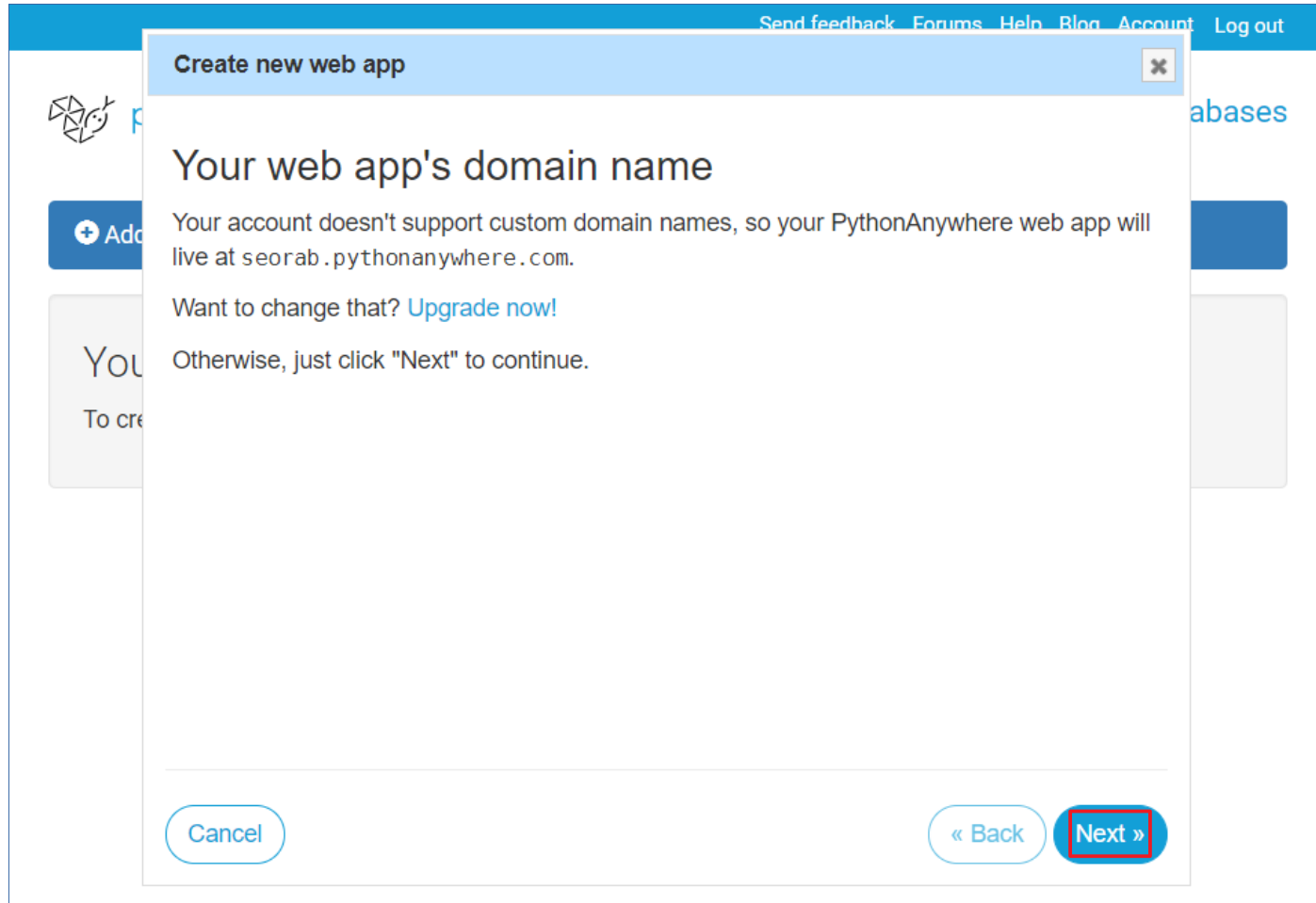
■ 장고 프로젝트 배포

● web app 등록 – Add a new web app



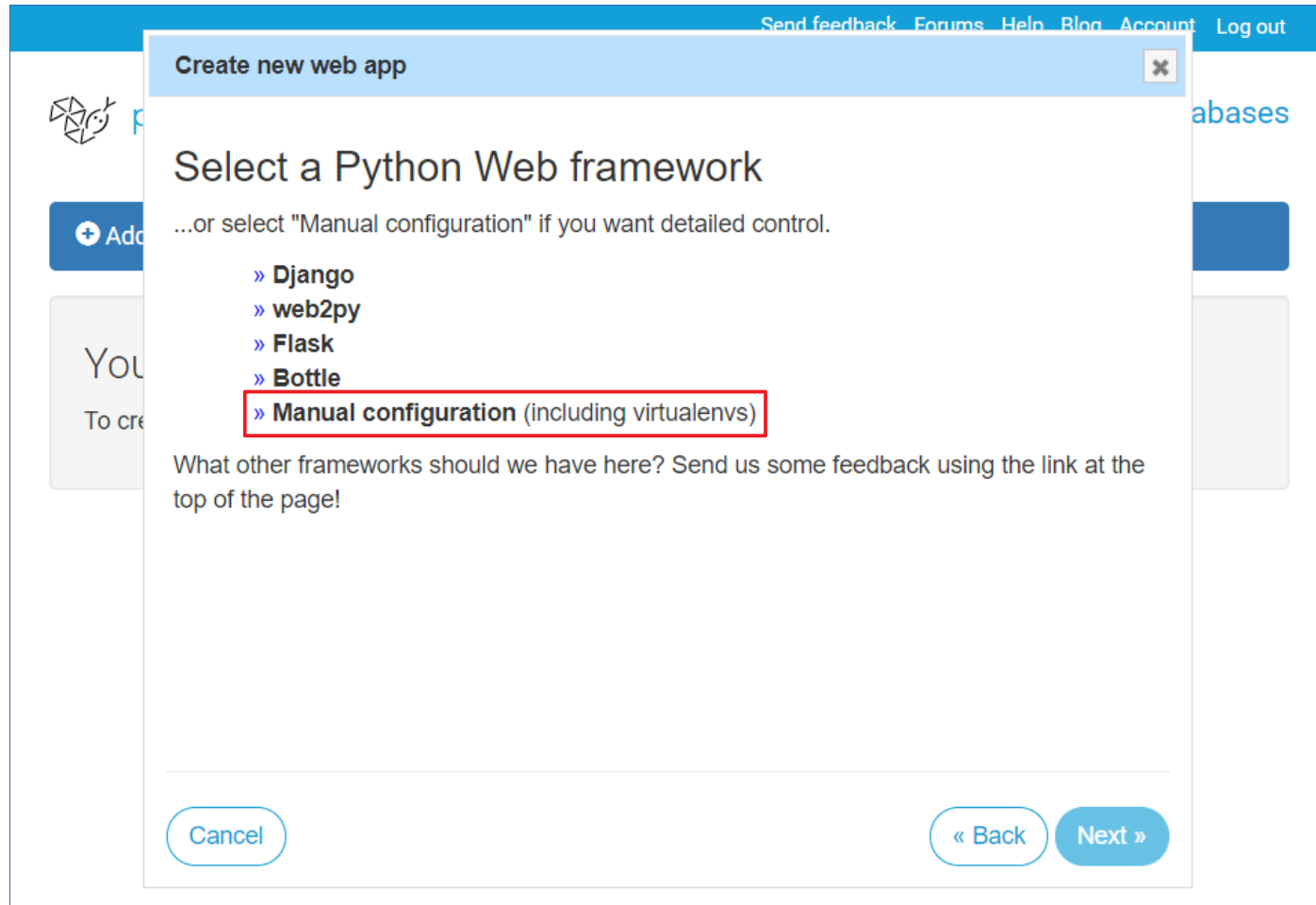
■ 장고 프로젝트 배포

● web app 등록



■ 장고 프로젝트 배포

● web app 등록 – Manual configuration



The screenshot shows the Heroku 'Create new web app' dialog box. The title bar is light blue with a close button. The main content area is white. At the top, it says 'Select a Python Web framework'. Below that, it says '...or select "Manual configuration" if you want detailed control.' There is a list of frameworks: Django, web2py, Flask, Bottle, and Manual configuration (including virtualenvs). The 'Manual configuration' option is highlighted with a red rectangular box. At the bottom, there are three buttons: 'Cancel', '« Back', and 'Next »'. The background shows a blurred Heroku dashboard with a blue header and a sidebar.

Send feedback Forums Help Blog Account Log out

Create new web app

Select a Python Web framework

...or select "Manual configuration" if you want detailed control.

- » Django
- » web2py
- » Flask
- » Bottle
- » **Manual configuration (including virtualenvs)**

What other frameworks should we have here? Send us some feedback using the link at the top of the page!

Cancel « Back Next »

■ 장고 프로젝트 배포

● web app 등록 – Python 3.6

Create new web app

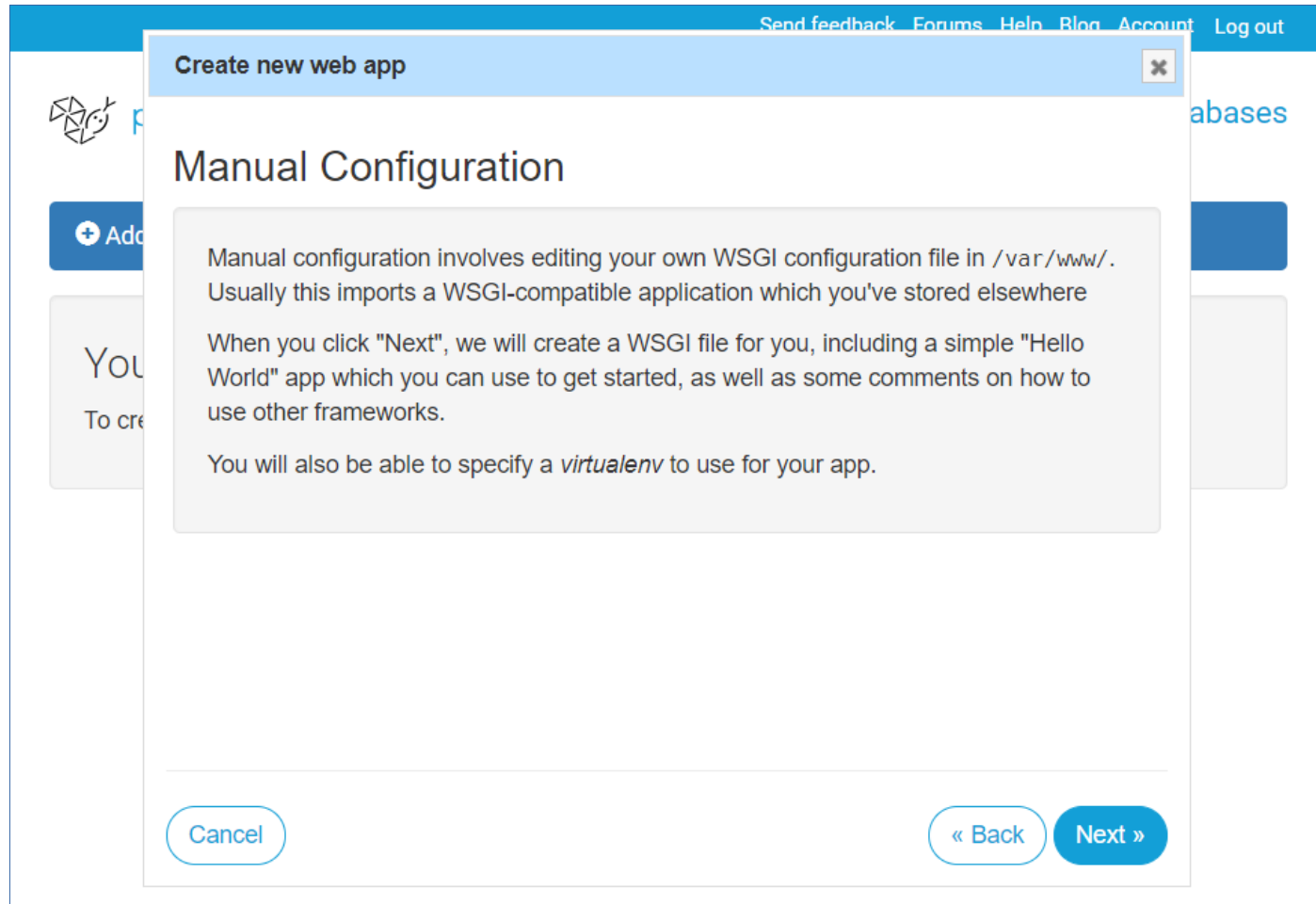
Select a Python version

- » Python 2.7
- » Python 3.4
- » Python 3.5
- » Python 3.6
- » Python 3.7

Cancel « Back Next »

■ 장고 프로젝트 배포

● web app 등록



■ 장고 프로젝트 배포

● web app 등록 – Virtualenv

Code:

What your site is running.

[Enter the path to your web app source code](#)

[/home/seorab/](#)

[➔Go to directory](#)

[/var/www/seorab-pythonanywhere_com_wsgi.py](#)

3.6 

Source code:

Working directory:

WSGI configuration file:

Python version:

Virtualenv:

Use a virtualenv to get different versions of flask, django etc from our default system ones. [More info here](#). You need to **Reload your web app** to activate it; NB - will do nothing if the virtualenv does not exist.

[Enter path to a virtualenv, if desired](#)

Log files:

The first place to look if something goes wrong.

[seorab.pythonanywhere.com.access.log](#)

Access log:

Error log:

■ 장고 프로젝트 배포

● web app 등록 – Virtualenv

Code:

What your site is running.

[Enter the path to your web app source code](#)

Source code:

[/home/seorab/](#)

[➔Go to directory](#)

Working directory:

[/var/www/seorab-pythonanywhere_com_wsgi.py](#)

WSGI configuration file:

3.6 

Python version:

Virtualenv:

Use a virtualenv to get different versions of flask, django etc from our default system ones. [More info here](#). You need to **Reload your web app** to activate it; NB - will do nothing if the virtualenv does not exist.

[/home/seorab/myvenv](#)

[🔗 Start a console in this virtualenv](#)

Log files:

The first place to look if something goes wrong.

[seorab.pythonanywhere.com.access.log](#)

Access log:

■ 장고 프로젝트 배포

● web app 등록 – WSGI

Code:

What your site is running.

[Enter the path to your web app source code](#)

[/home/seorab/](#)

[➔Go to directory](#)

[/var/www/seorab_pythonanywhere_com_wsgi.py](#)

3.6 

Source code:

Working directory:

WSGI configuration file:

Python version:

Virtualenv:

Use a virtualenv to get different versions of flask, django etc from our default system ones. [More info here](#). You need to **Reload your web app** to activate it; NB - will do nothing if the virtualenv does not exist.

[/home/seorab/myvenv](#)

[🔗 Start a console in this virtualenv](#)

Log files:

The first place to look if something goes wrong.

Access log:

[seorab.pythonanywhere.com.access.log](#)

■ 장고 프로젝트 배포

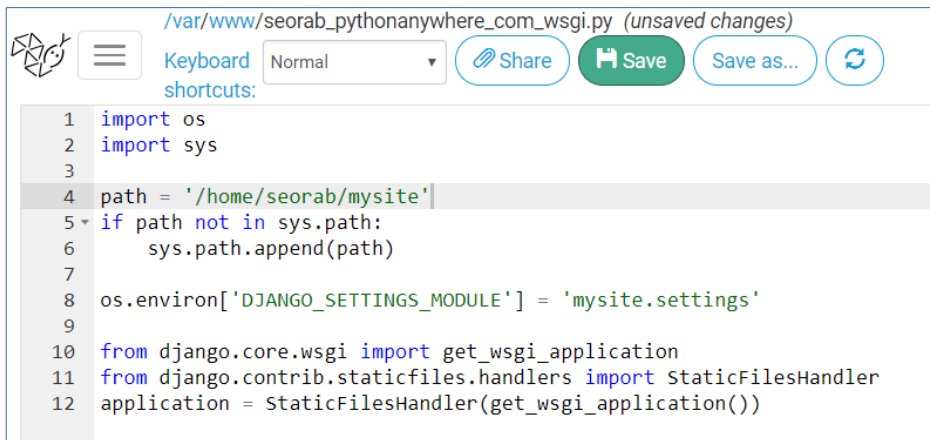
● web app 등록 – WSGI

```
import os
import sys

path = '/home/seorab/mysite'
if path not in sys.path:
    sys.path.append(path)

os.environ['DJANGO_SETTINGS_MODULE'] = 'mysite.settings'

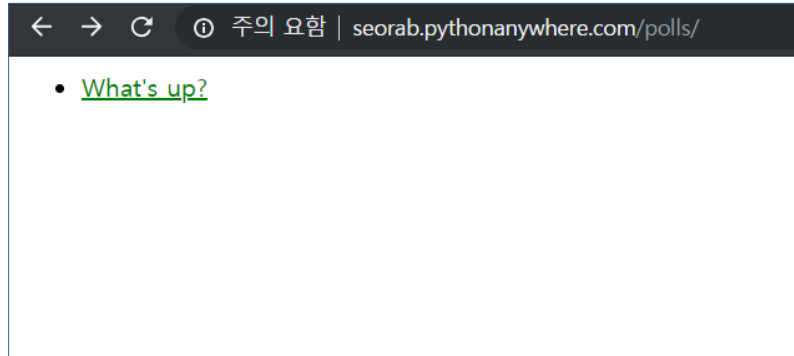
from django.core.wsgi import get_wsgi_application
from django.contrib.staticfiles.handlers import StaticFilesHandler
application = StaticFilesHandler(get_wsgi_application())
```

A screenshot of a code editor interface. At the top, the file path is shown as `/var/www/seorab_pythonanywhere_com_wsgi.py` with a note "(unsaved changes)". Below the path are several icons: a hamburger menu, a "Keyboard shortcuts:" link, a "Normal" dropdown menu, and buttons for "Share", "Save", "Save as...", and a refresh icon. The main area contains a Python script with 12 lines of code, which is identical to the code block shown above. The code is syntax-highlighted, with keywords in blue and strings in green. The line numbers 1 through 12 are visible on the left side of the code block.

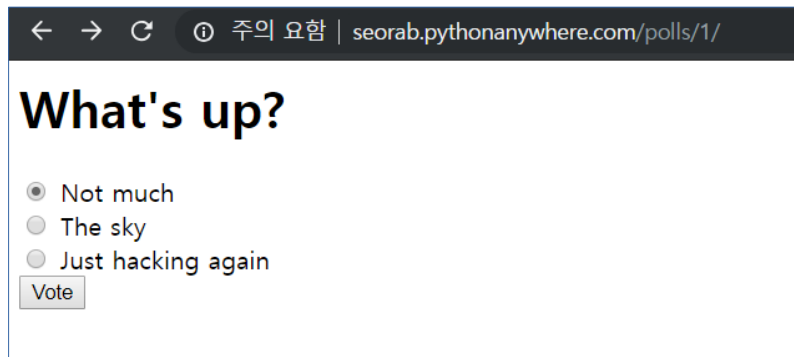
```
1 import os
2 import sys
3
4 path = '/home/seorab/mysite'
5 if path not in sys.path:
6     sys.path.append(path)
7
8 os.environ['DJANGO_SETTINGS_MODULE'] = 'mysite.settings'
9
10 from django.core.wsgi import get_wsgi_application
11 from django.contrib.staticfiles.handlers import StaticFilesHandler
12 application = StaticFilesHandler(get_wsgi_application())
```

■ 장고 프로젝트 배포

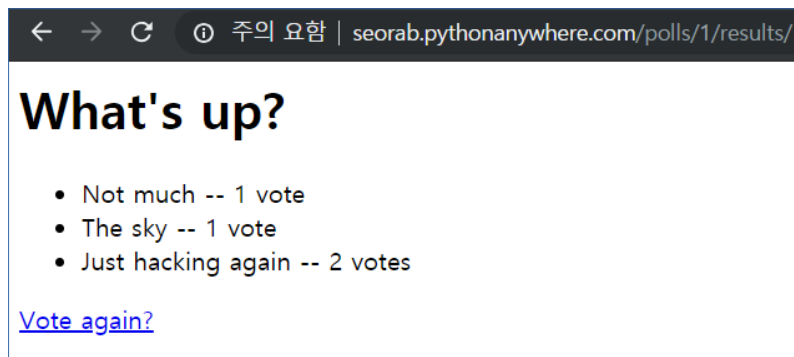
● 웹사이트 구동 확인



`http://계정명.pythonanywhere.com/polls`



`http://계정명.pythonanywhere.com/polls/1`



`http://계정명.pythonanywhere.com/polls/1/results`

■ 장고 프로젝트 배포

● Invalid HTTP_HOST header 오류

– mysite/settings.py

```
ALLOWED_HOSTS = ['localhost', '127.0.0.1', '[:,1]', '.pythonanywhere.com']
```

– commit & push

– pull



Bash console 10805833

```
(myvenv) 07:37 ~/mysite (master)$ git pull
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 4 (delta 3), reused 4 (delta 3), pack-reused 0
Unpacking objects: 100% (4/4), done.
From https://github.com/seorab/mysite
   4ac6df6..8e8dd2d  master    -> origin/master
Updating 4ac6df6..8e8dd2d
Fast-forward
 mysite/settings.py | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)
(myvenv) 07:38 ~/mysite (master)$
```