

■ 장고 프로젝트 배포

- 버전 관리 시스템 : GitHub

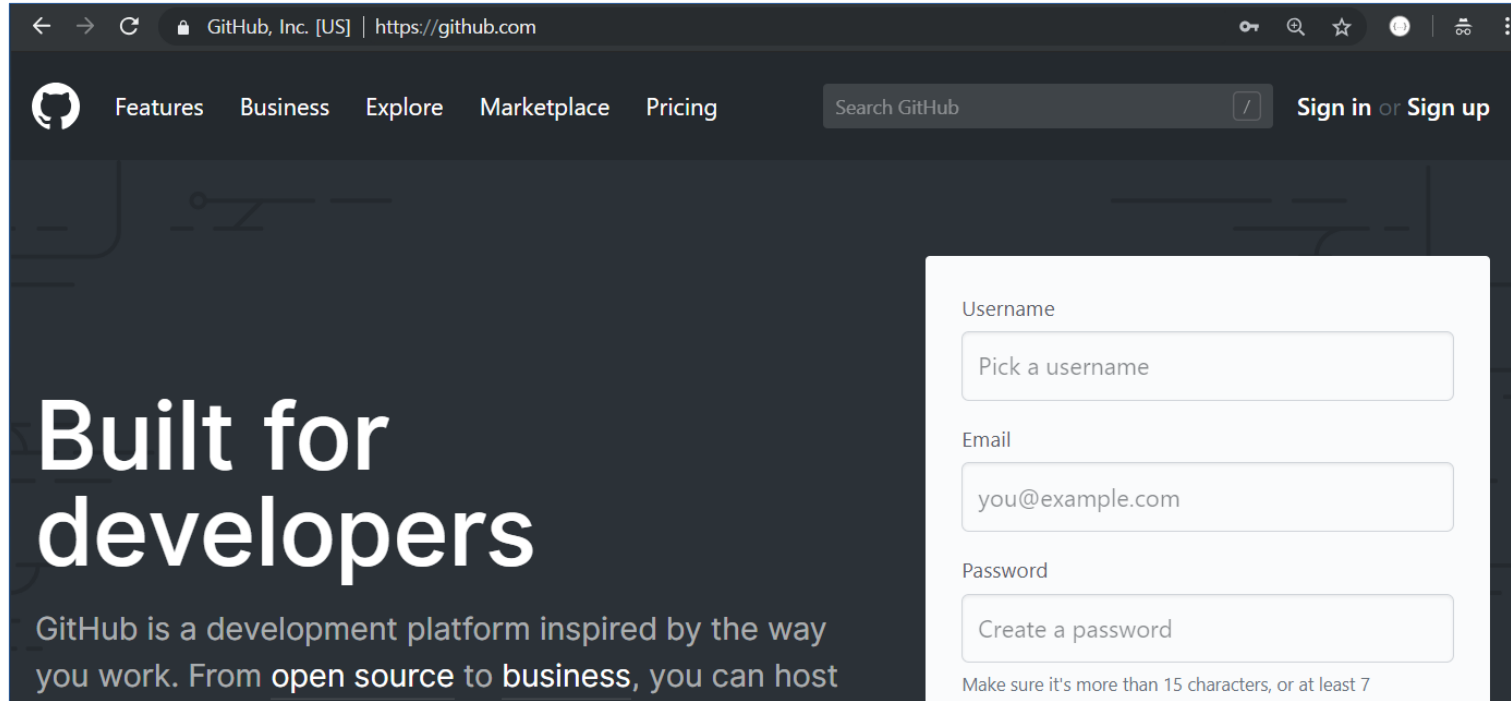
- <https://github.com>

- 웹호스팅 : PythonAnywhere

- <https://www.pythonanywhere.com>

■ 장고 프로젝트 배포

● 버전 관리 시스템 : GitHub



The image shows a screenshot of the GitHub website. The browser's address bar displays "GitHub, Inc. [US] | https://github.com". The navigation bar includes links for "Features", "Business", "Explore", "Marketplace", and "Pricing", along with a search bar labeled "Search GitHub" and a "Sign in or Sign up" button. The main content area features the GitHub logo and the text "Built for developers". Below this, it states "GitHub is a development platform inspired by the way you work. From open source to business, you can host". A white sign-up form is overlaid on the right side of the page, containing fields for "Username", "Email", and "Password".

Username

Pick a username

Email

you@example.com

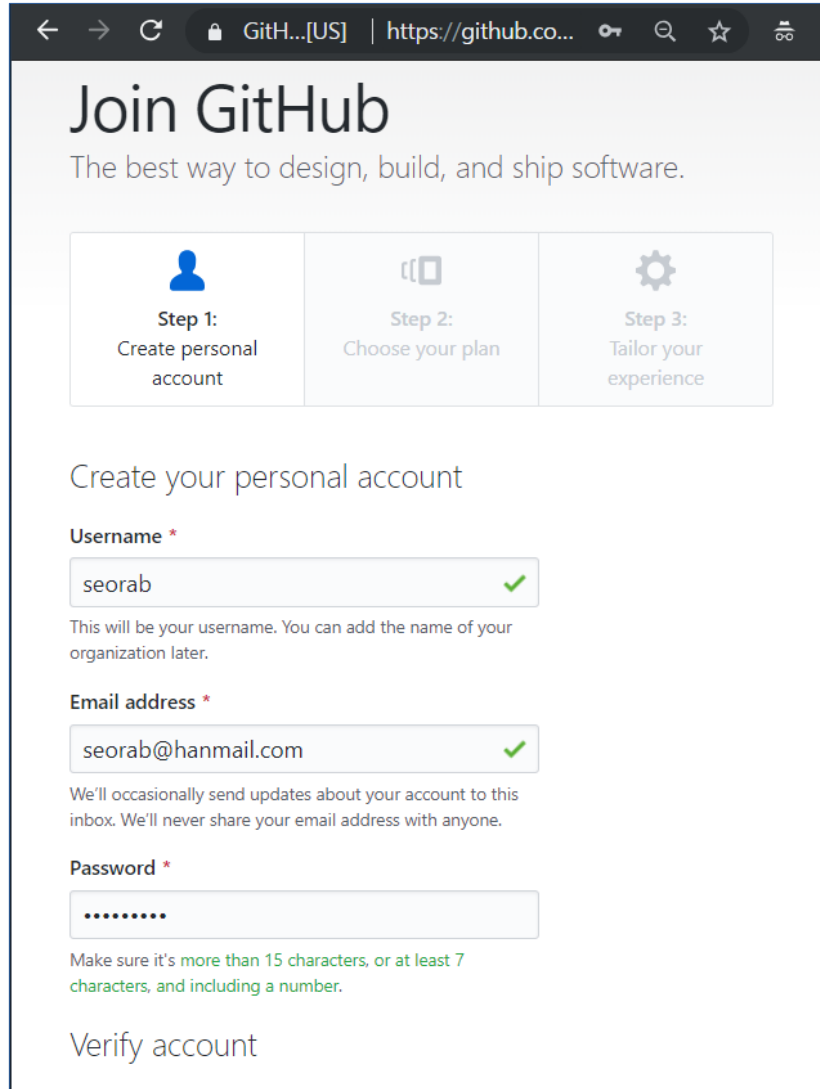
Password

Create a 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 displays 'GitHub...[US] | https://github.co...'. The page title is 'Join GitHub' with the tagline 'The best way to design, build, and ship software.' Below this, three steps are outlined: 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, featuring three input fields: 'Username' with the value 'seorab', 'Email address' with 'seorab@hanmail.com', and 'Password' which is masked with dots. Each of the first two fields has a green checkmark icon to its right. Below the 'Email address' field, a note states: 'We'll occasionally send updates about your account to this inbox. We'll never share your email address with anyone.' Below the 'Password' field, a note states: '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 *

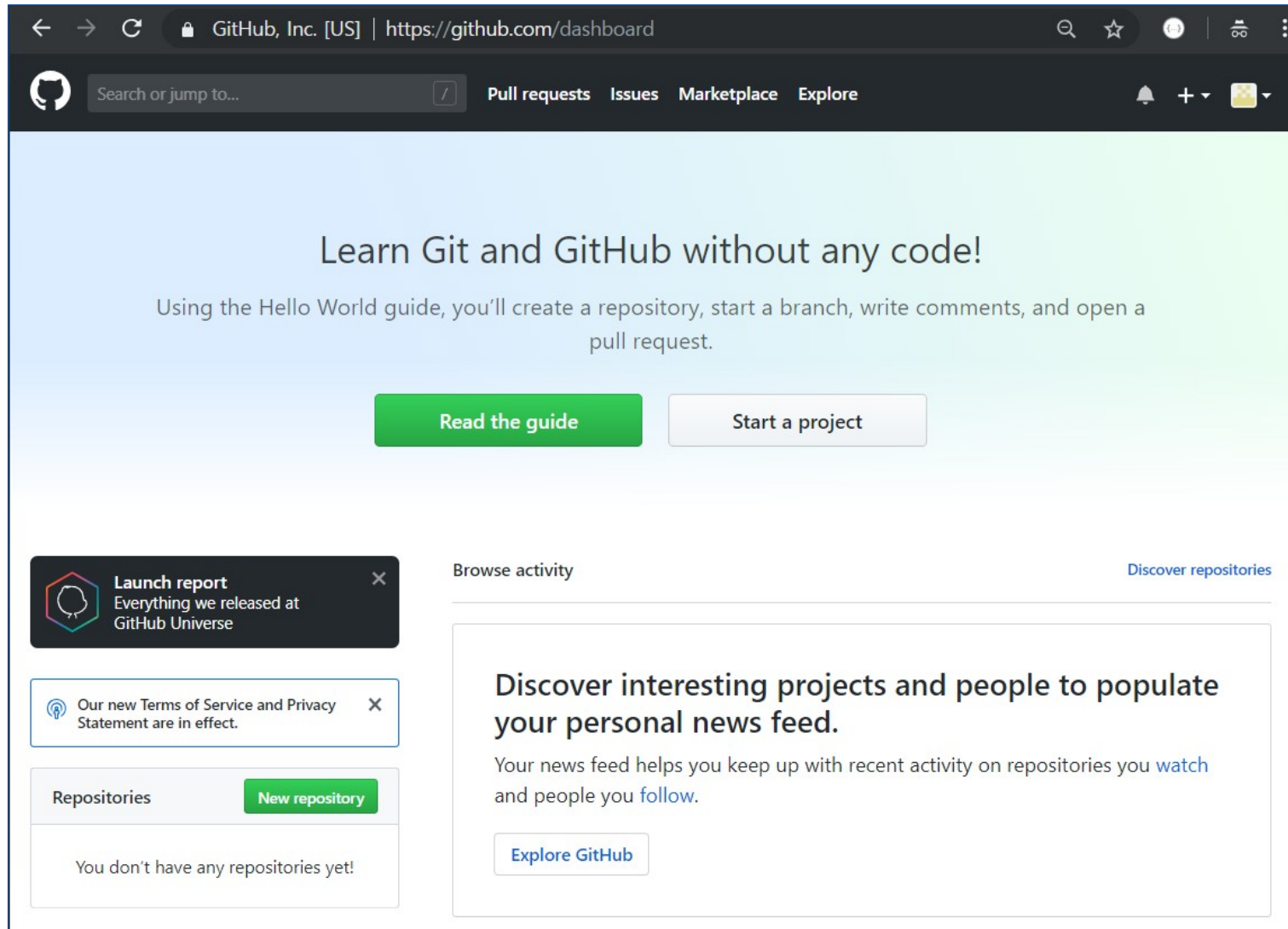
.....

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.

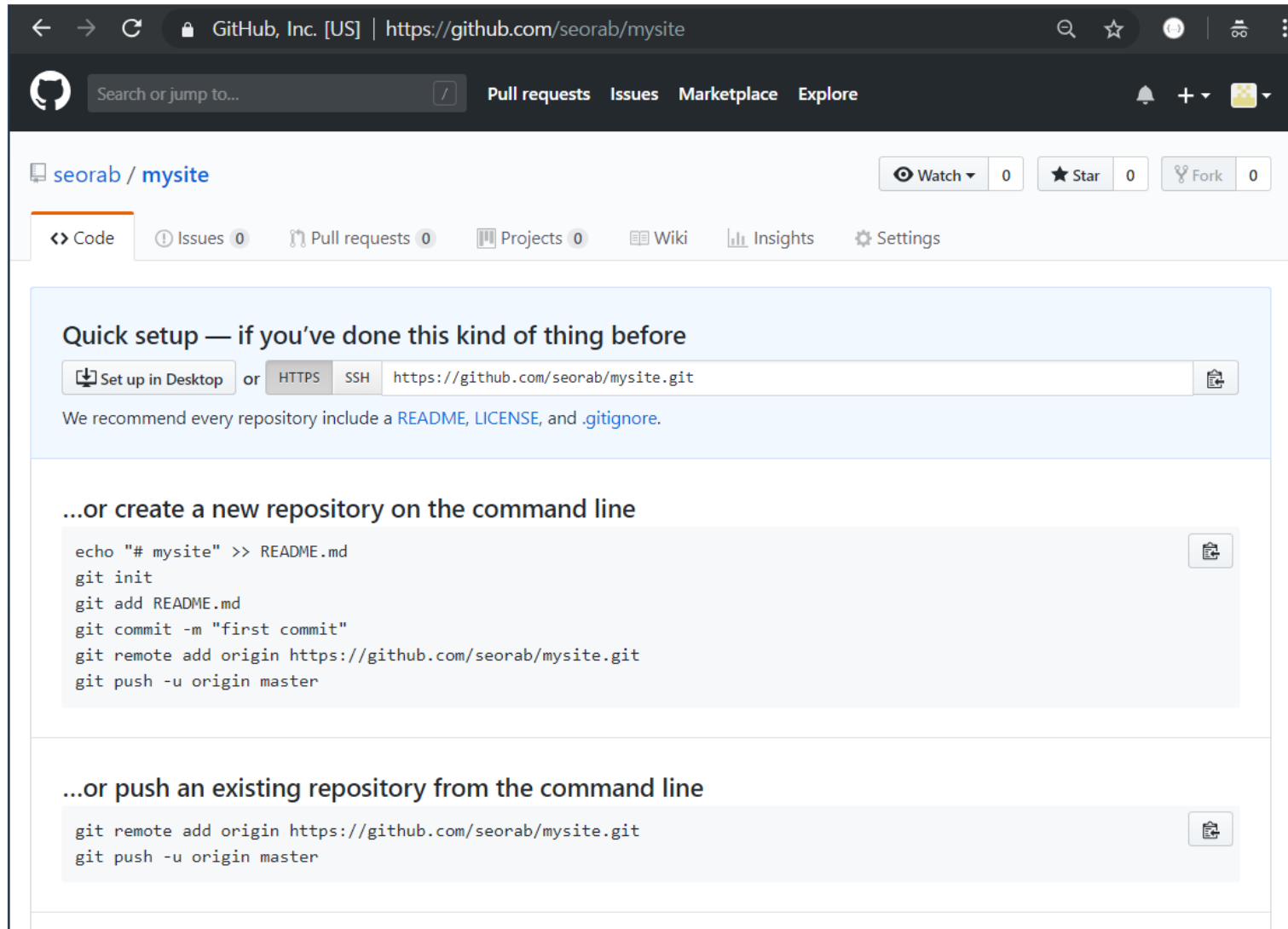
☒ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

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

Create repository

■ 장고 프로젝트 배포

● 저장소 생성



The screenshot shows the GitHub web interface for a repository named 'seorab / mysite'. The browser address bar shows 'https://github.com/seorab/mysite'. The repository page includes a header with the repository name, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. Below the header, there are buttons for Watch (0), Star (0), and Fork (0). A secondary navigation bar contains links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Insights, and Settings. The main content area is divided into three sections: 1. 'Quick setup — if you've done this kind of thing before' which offers 'Set up in Desktop' or 'HTTPS' (selected) with the URL 'https://github.com/seorab/mysite.git'. 2. '...or create a new repository on the command line' which provides a list of terminal commands to initialize a new repository and push it to GitHub. 3. '...or push an existing repository from the command line' which provides terminal commands to add a remote origin and push the local master branch to GitHub.

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

Search or jump to... Pull requests Issues Marketplace Explore

seorab / mysite Watch 0 Star 0 Fork 0

<> Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

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

Set up in Desktop or HTTPS SSH https://github.com/seorab/mysite.git

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

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

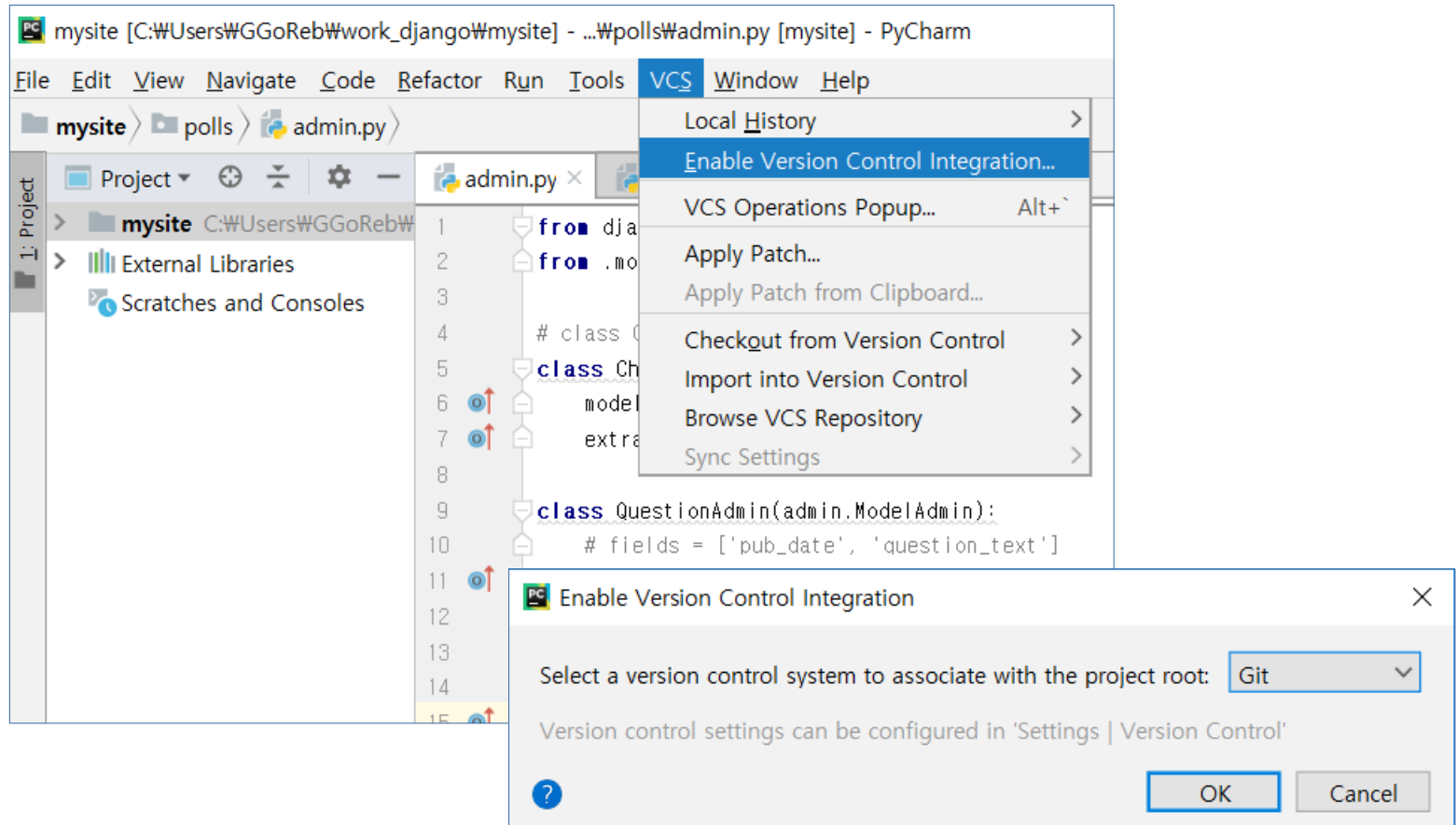
```
echo "# mysite" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/seorab/mysite.git
git push -u origin master
```

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

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

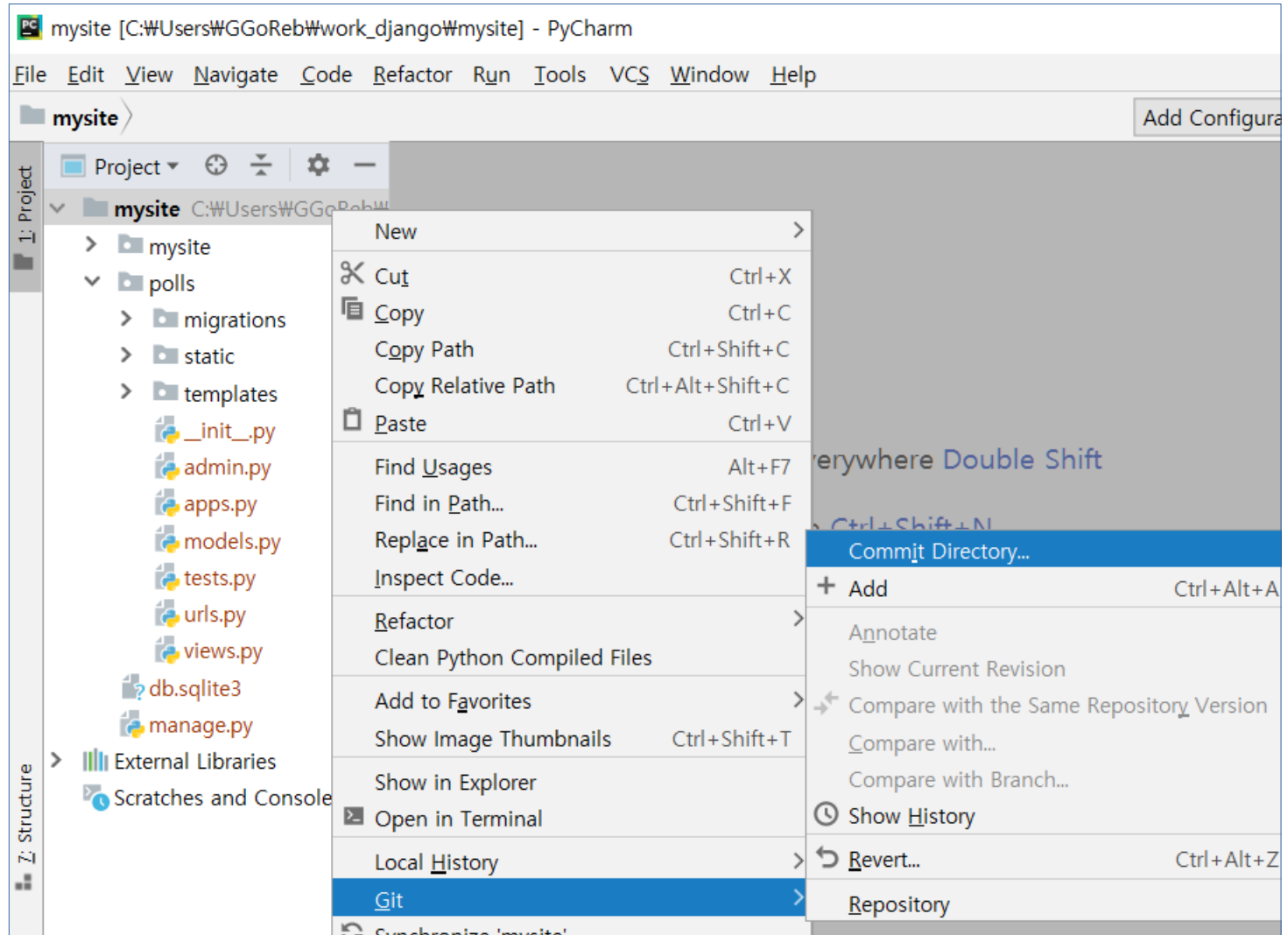
■ 장고 프로젝트 배포 (Pycharm)

● 프로젝트 VCS 설정



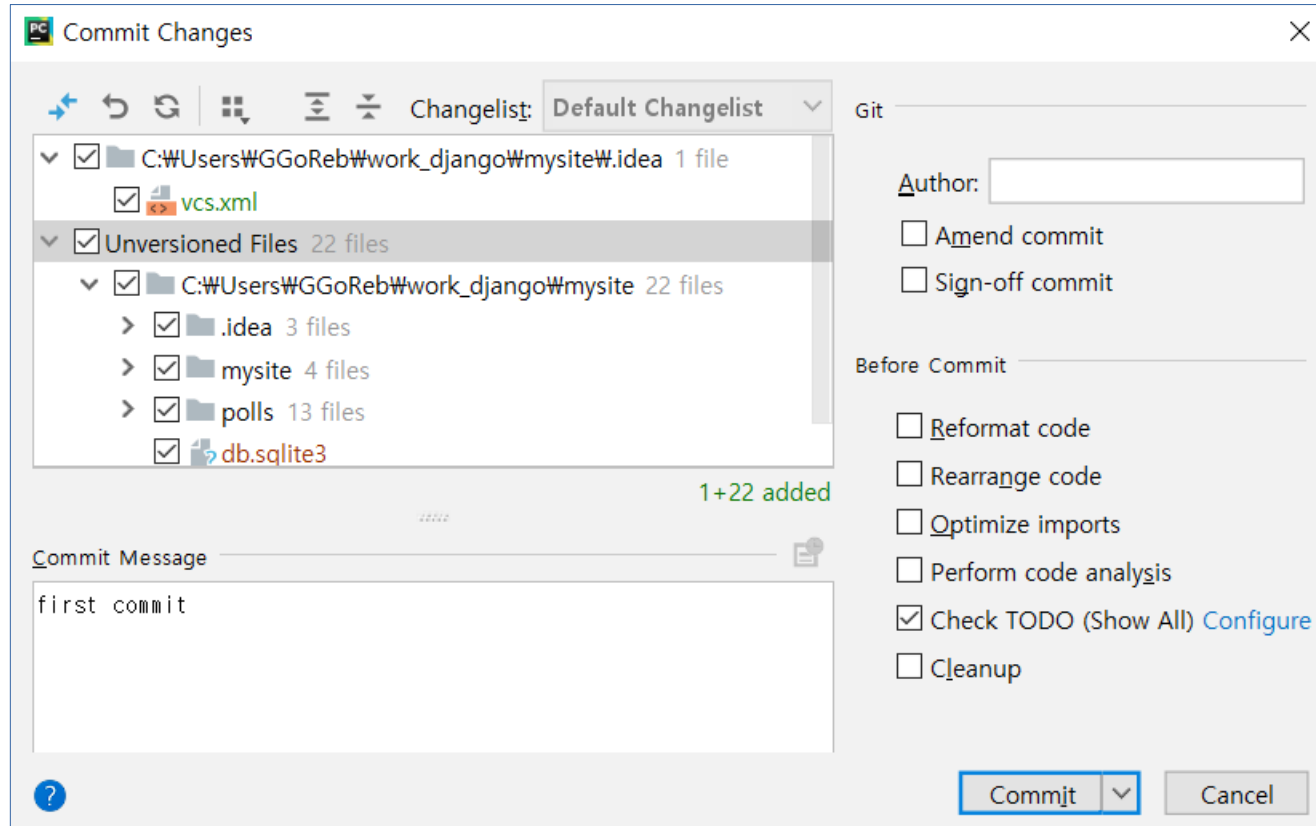
■ 장고 프로젝트 배포 (Pycharm)

● 프로젝트 commit



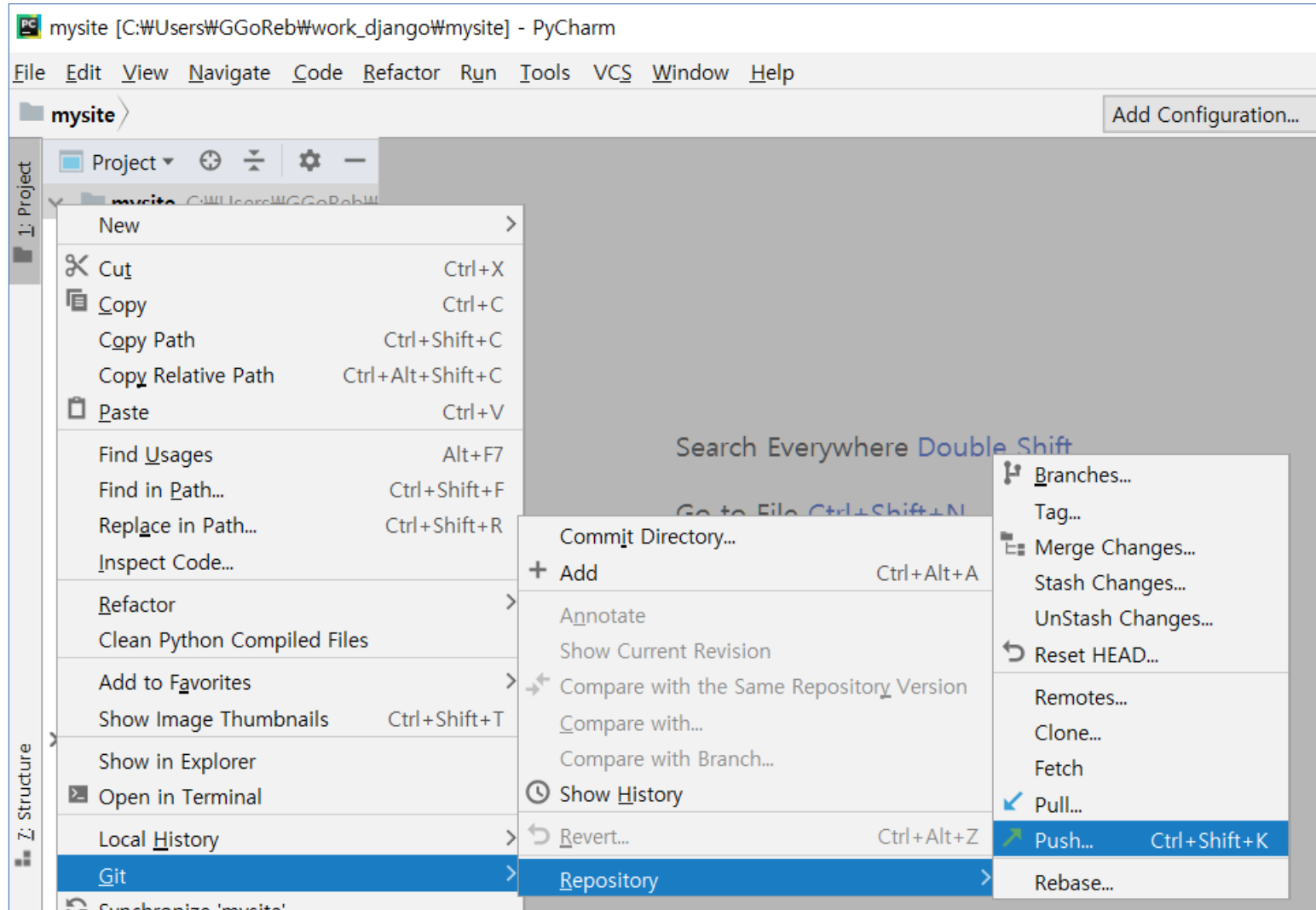
장고 프로젝트 배포 (Pycharm)

프로젝트 commit



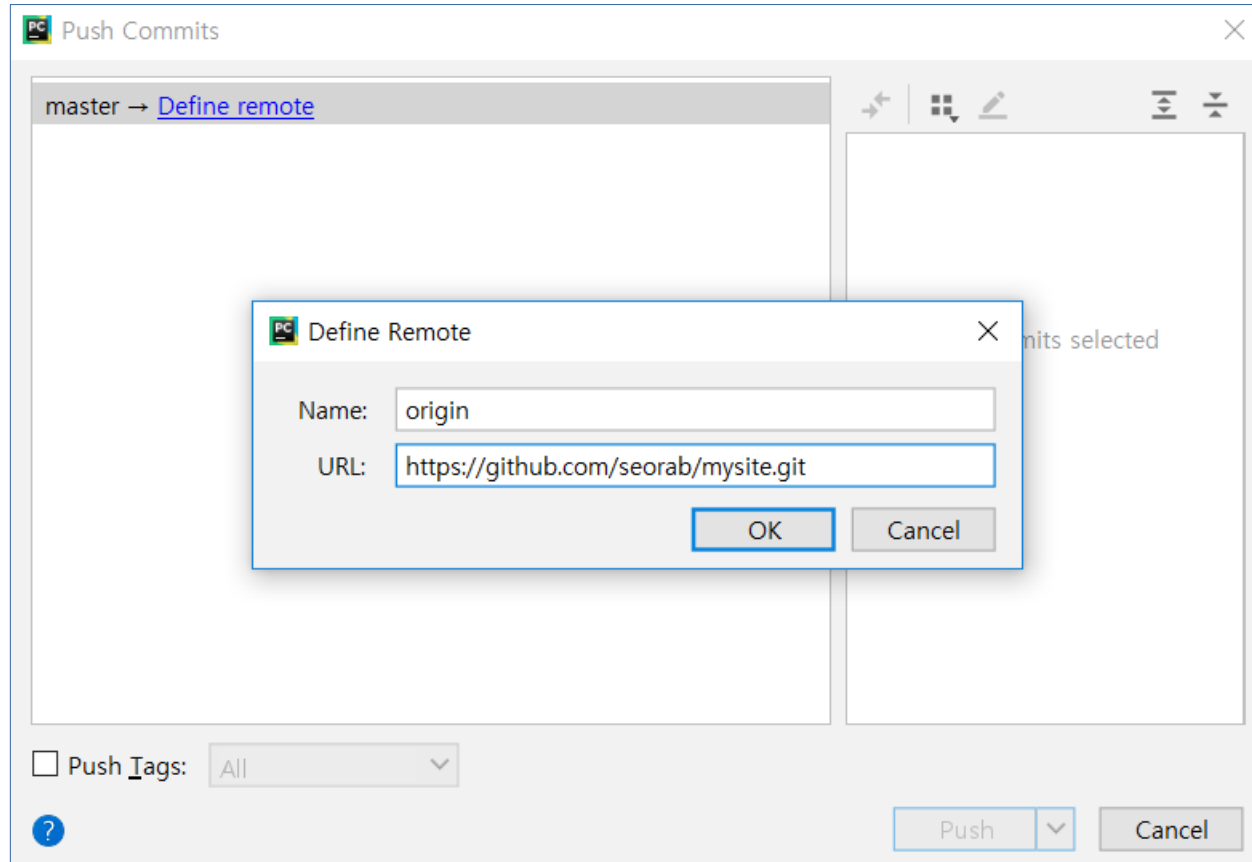
■ 장고 프로젝트 배포 (Pycharm)

● 프로젝트 push



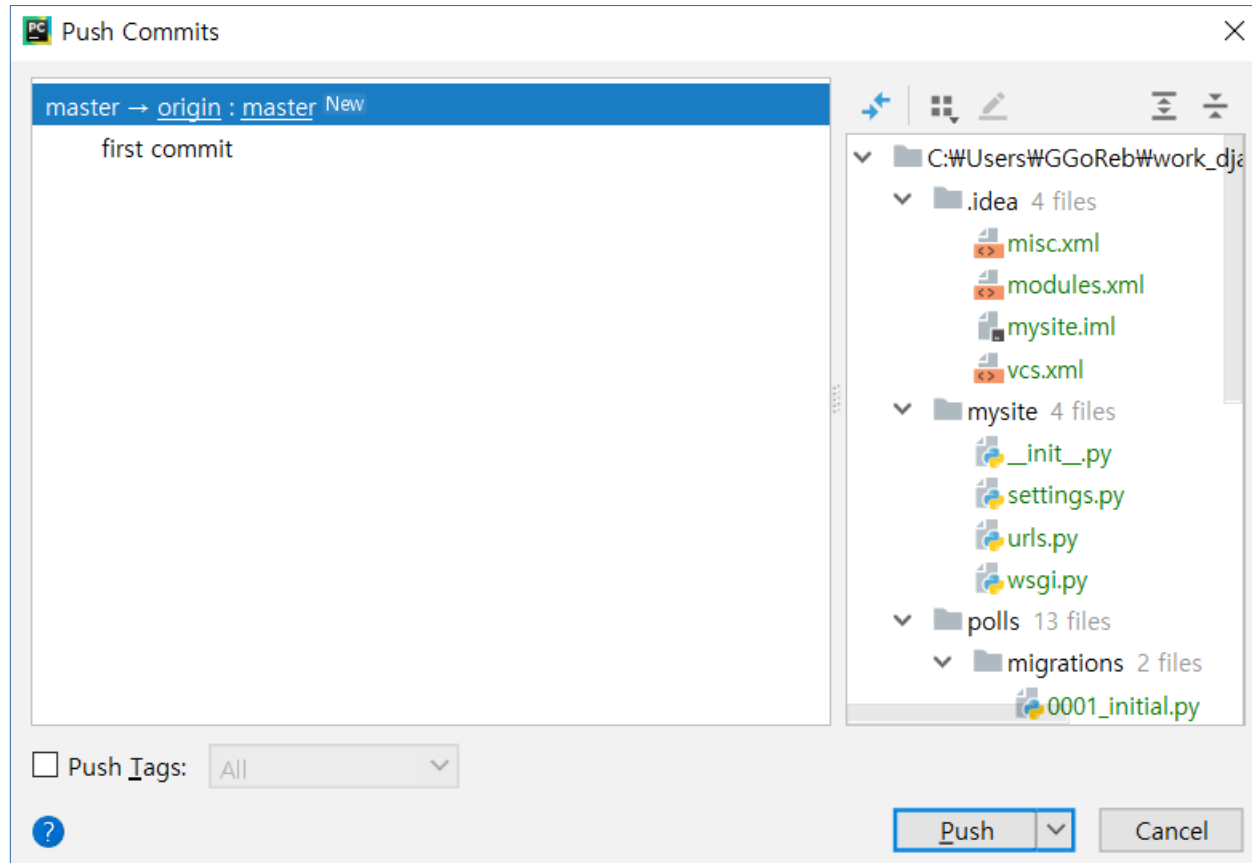
■ 장고 프로젝트 배포 (Pycharm)

● 프로젝트 push



■ 장고 프로젝트 배포 (Pycharm)

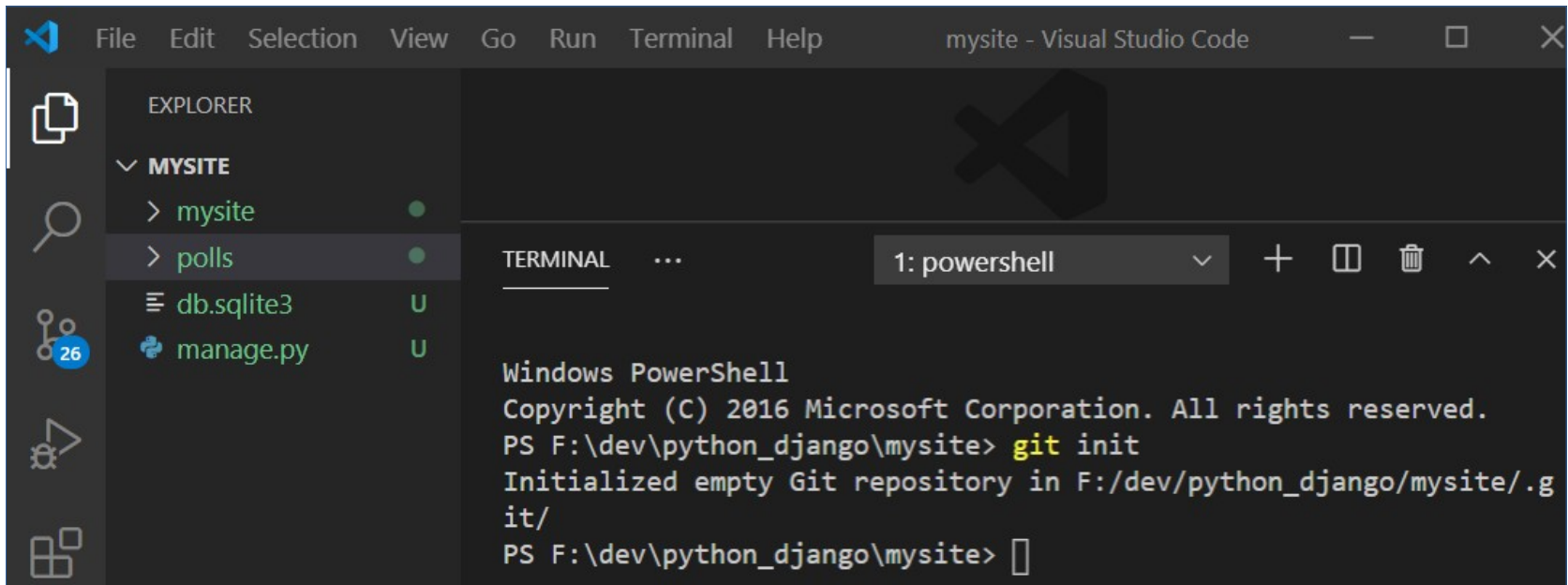
● 프로젝트 push



■ 장고 프로젝트 배포 (VS Code)

● Git 설정

– git init



The screenshot shows the Visual Studio Code interface with a dark theme. The Explorer panel on the left shows a project named 'mysite' with subfolders 'mysite' and 'polls', and files 'db.sqlite3' and 'manage.py'. The Terminal panel at the bottom shows a PowerShell session where the 'git init' command has been executed, resulting in the message: 'Initialized empty Git repository in F:/dev/python_django/mysite/.git/'.

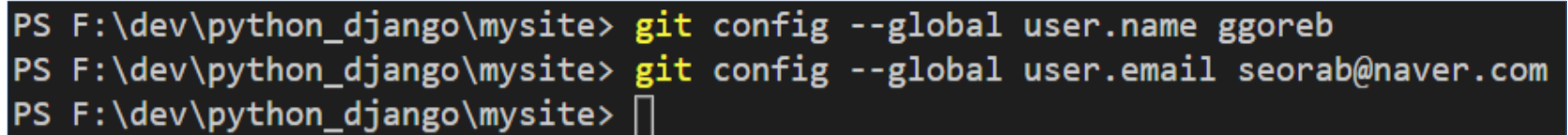
```
File Edit Selection View Go Run Terminal Help mysite - Visual Studio Code

EXPLORER
▼ MYSITE
  > mysite
  > polls
  db.sqlite3
  manage.py

TERMINAL 1: powershell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.
PS F:\dev\python_django\mysite> git init
Initialized empty Git repository in F:/dev/python_django/mysite/.git/
PS F:\dev\python_django\mysite>
```

– git config --global user.name 사용자명

– git config --global user.email 이메일주소

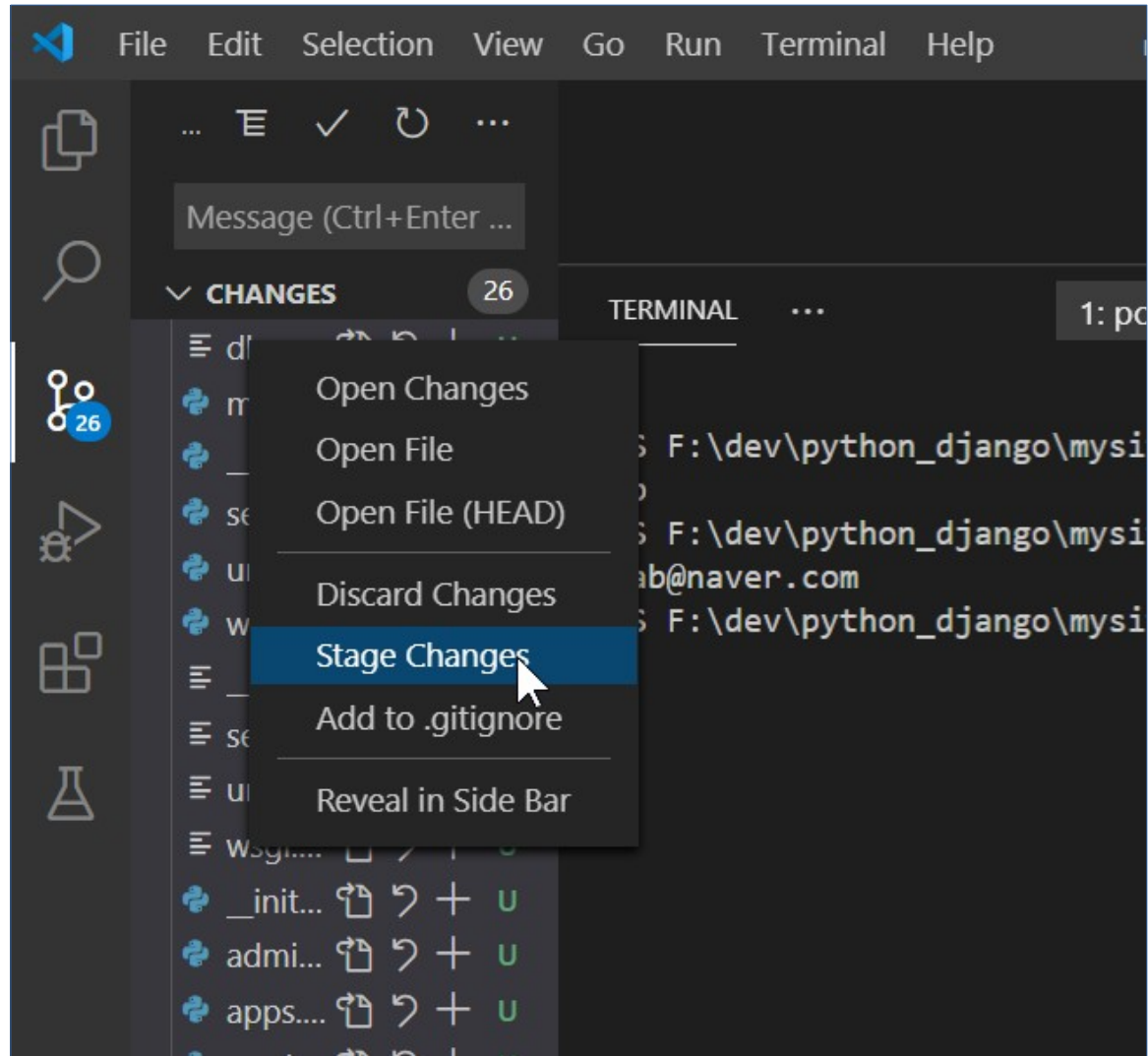


The screenshot shows a terminal window with the following commands and output:

```
PS F:\dev\python_django\mysite> git config --global user.name ggoreb
PS F:\dev\python_django\mysite> git config --global user.email seorab@naver.com
PS F:\dev\python_django\mysite>
```

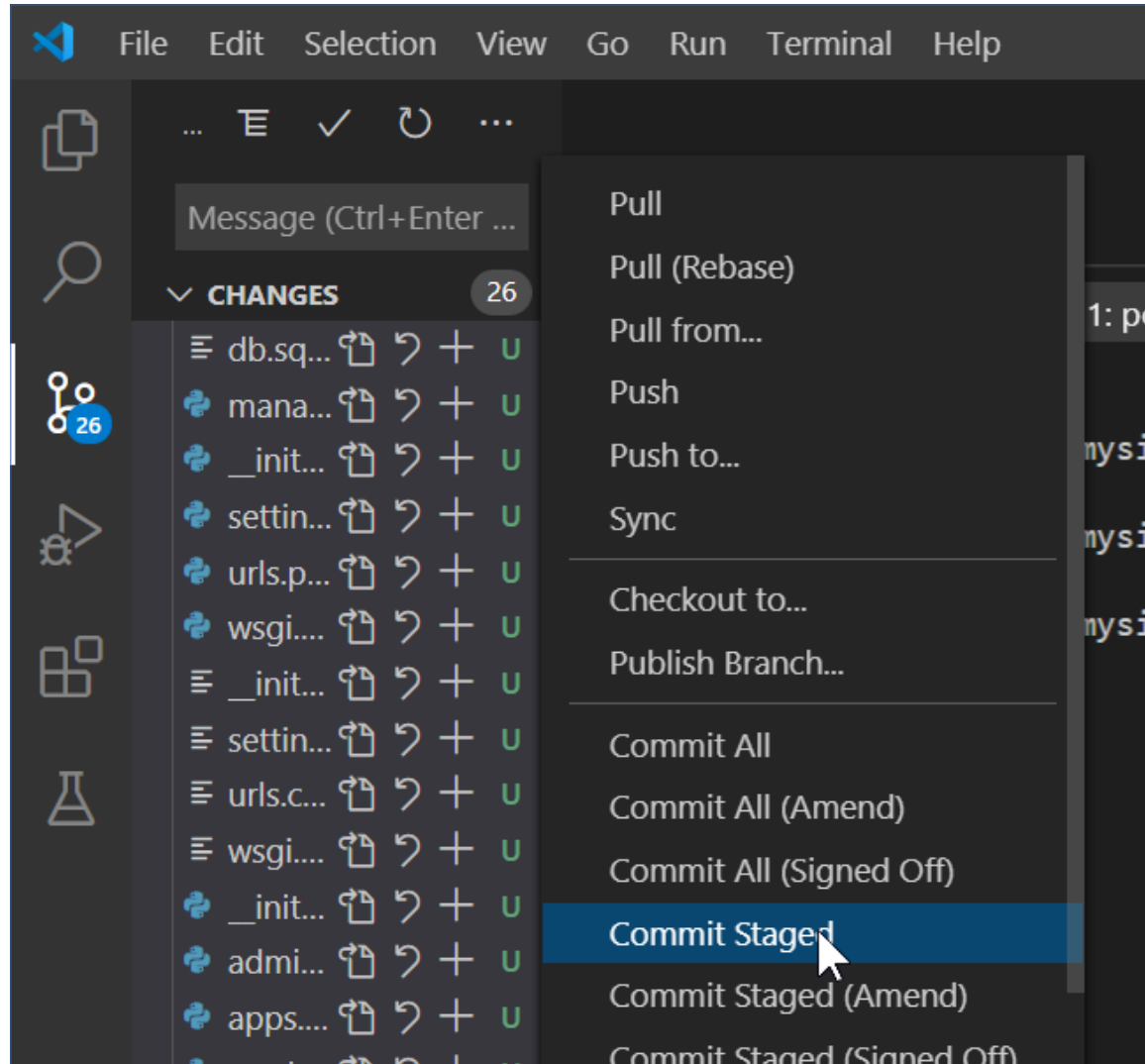
■ 장고 프로젝트 배포 (VS Code)

● 프로젝트 commit : Staged



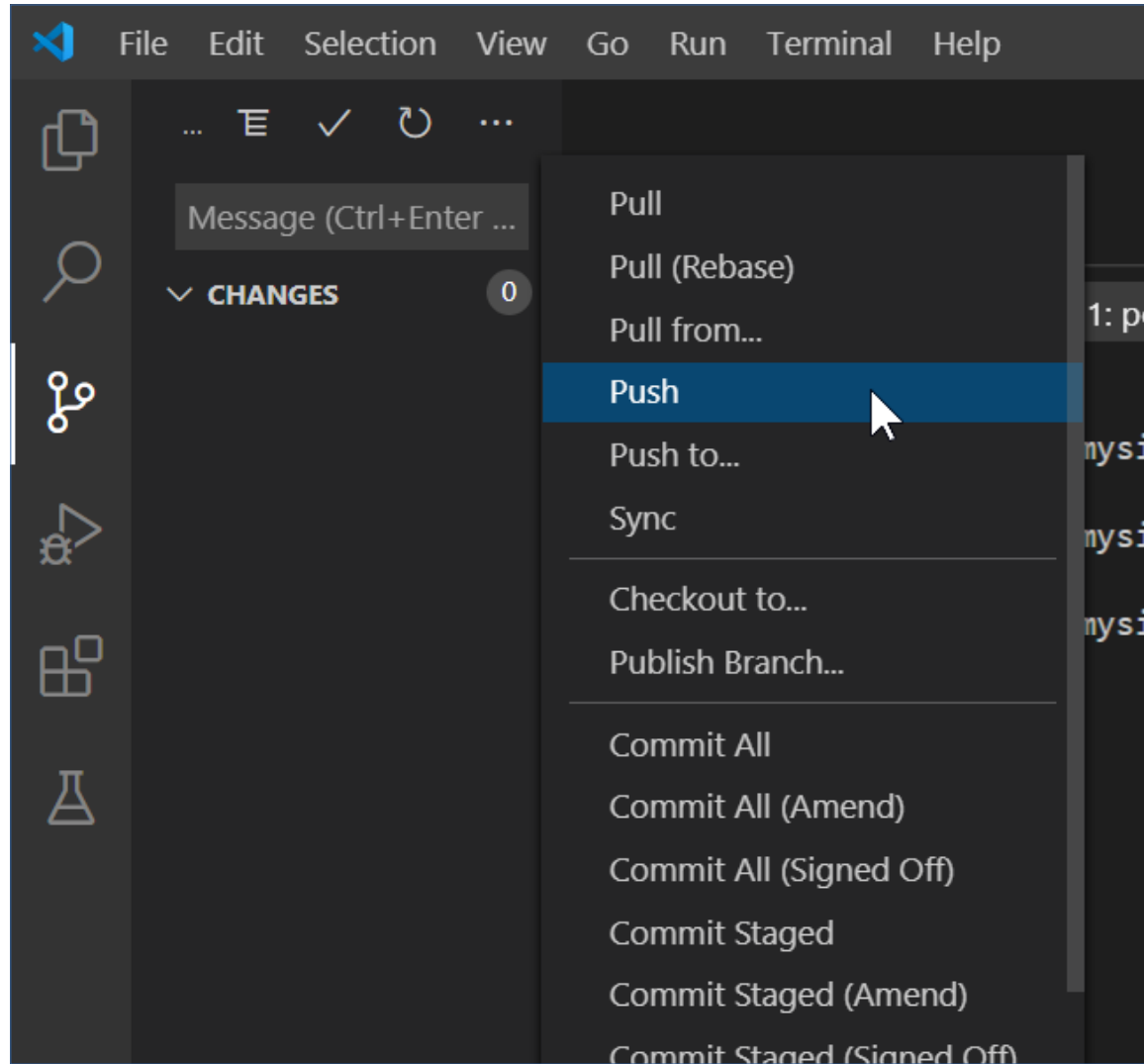
■ 장고 프로젝트 배포 (VS Code)

● 프로젝트 commit : Commit Staged



■ 장고 프로젝트 배포 (VS Code)

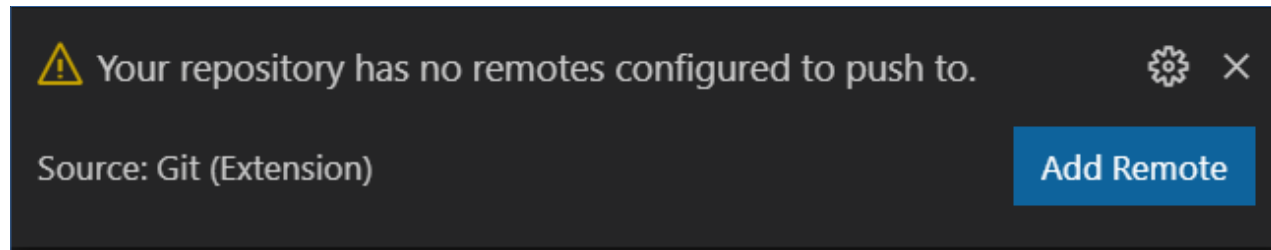
● 프로젝트 push



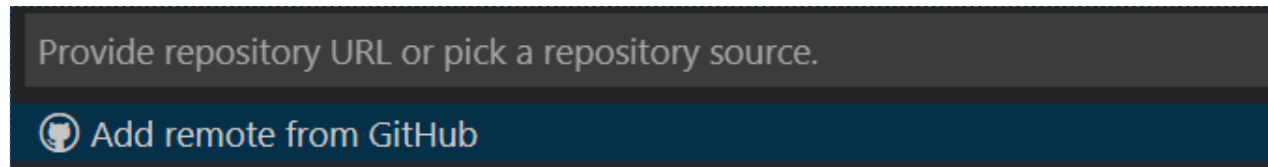
■ 장고 프로젝트 배포 (VS Code)

● 프로젝트 push

– Add Remote



– Remote Repository URL



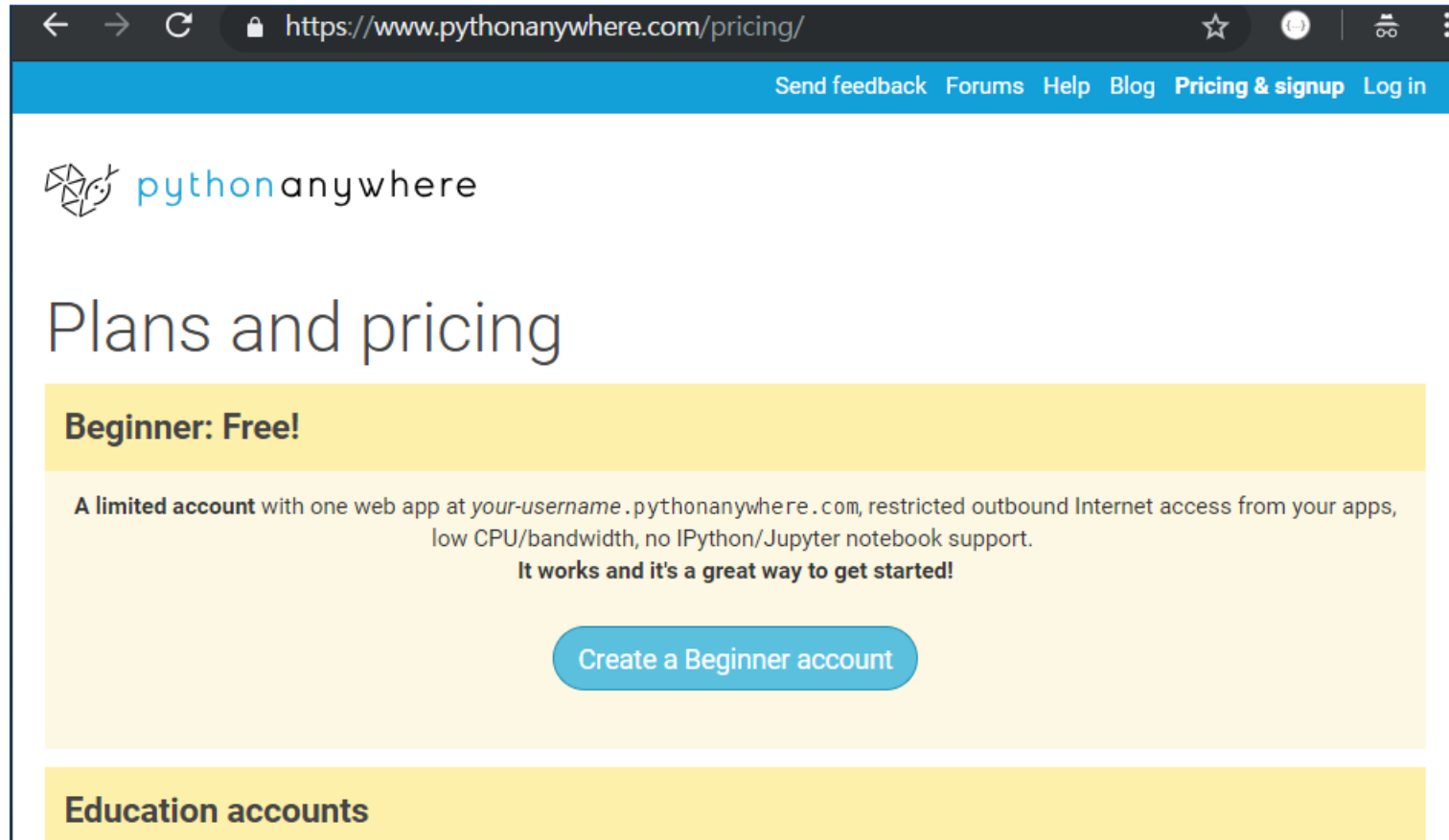
■ 장고 프로젝트 배포

● 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 heading "Plans and pricing". A 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 positioned below the description. A second yellow box at the bottom 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.

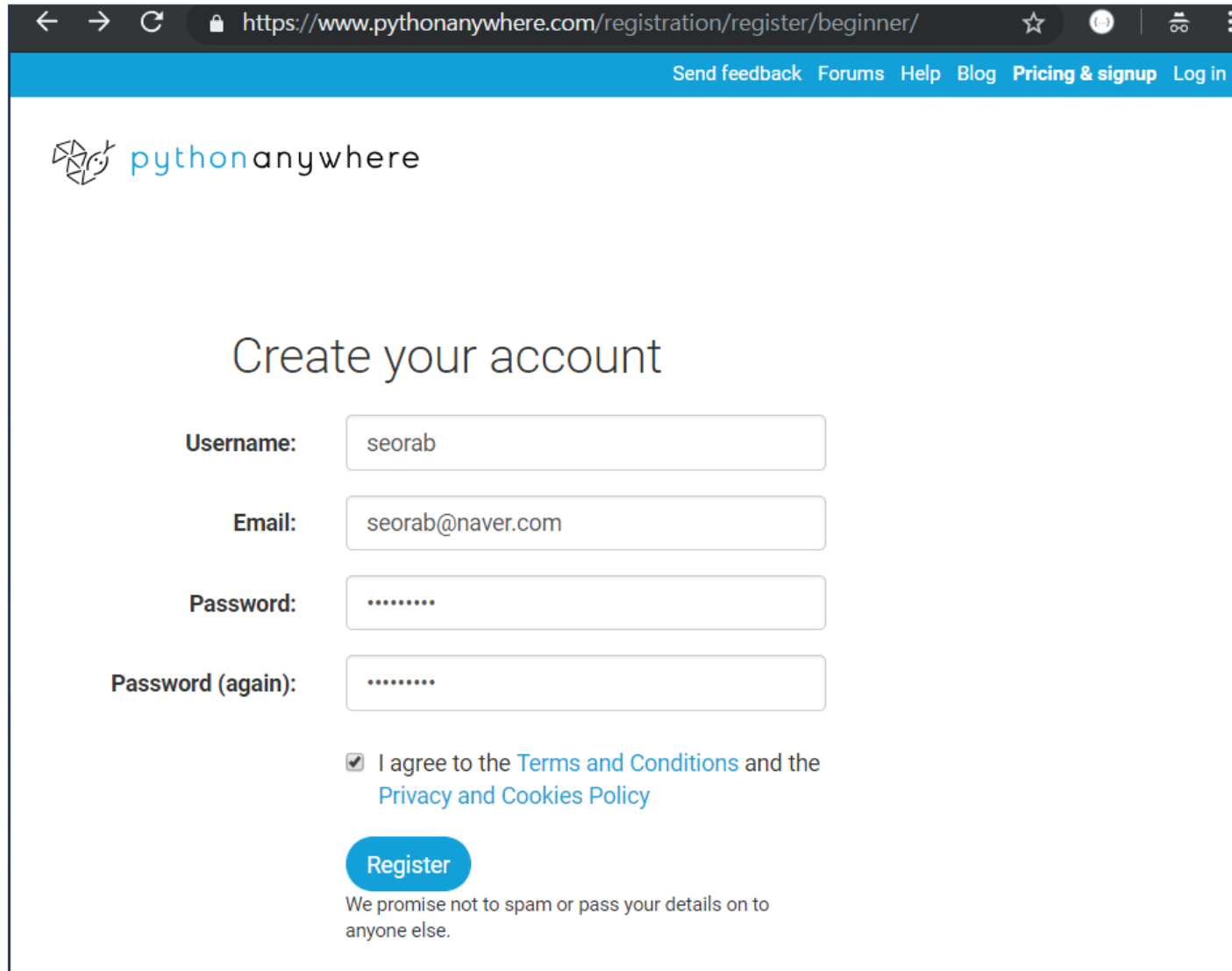
It works and it's a great way to get started!

Create a Beginner account

Education accounts

■ 장고 프로젝트 배포


● 회원가입



The screenshot shows a web browser window with 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 it are four input fields: "Username:" with the value "seorab", "Email:" with the value "seorab@naver.com", "Password:" with masked characters ".....", and "Password (again):" with masked characters ".....". A checkbox is checked, indicating agreement to the [Terms and Conditions](#) and the [Privacy and Cookies Policy](#). A blue "Register" button is below the checkbox. At the bottom, a promise statement reads: "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 displays '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', '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 dashboard title is 'Dashboard' with 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 located on the right. The dashboard is divided into two columns. The left column, titled 'Recent Consoles', shows 'You have no recent consoles.' and a 'New console:' section with three buttons: '\$ Bash' (highlighted with a red box), '>>> Python', and 'More...'. The right column, titled 'Recent Files', shows 'You have no recently edited files.' and 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

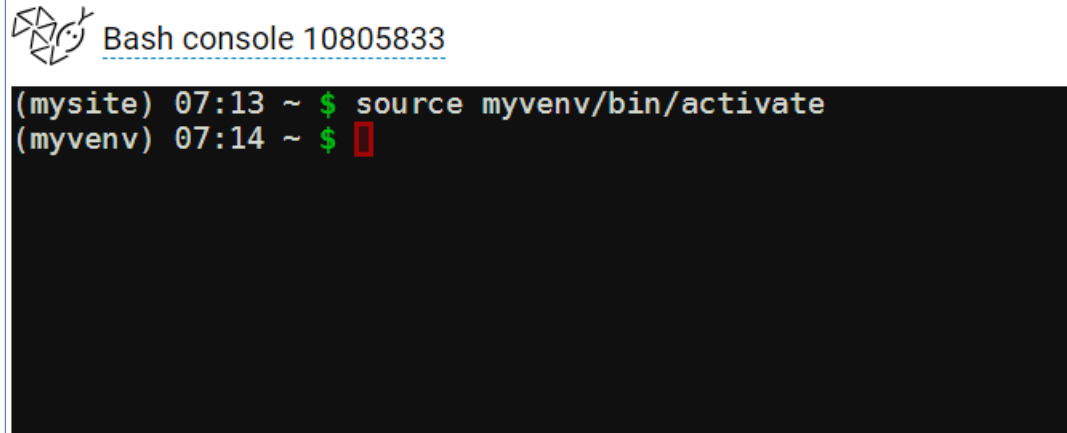
```
Bash console 10805833
06:29 ~ $ ls
README.txt
06:29 ~ $ pwd
/home/seorab
06:29 ~ $
```

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

```
Bash console 10805833
(my site) 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.
(my site) 07:13 ~ $
```

■ 장고 프로젝트 배포

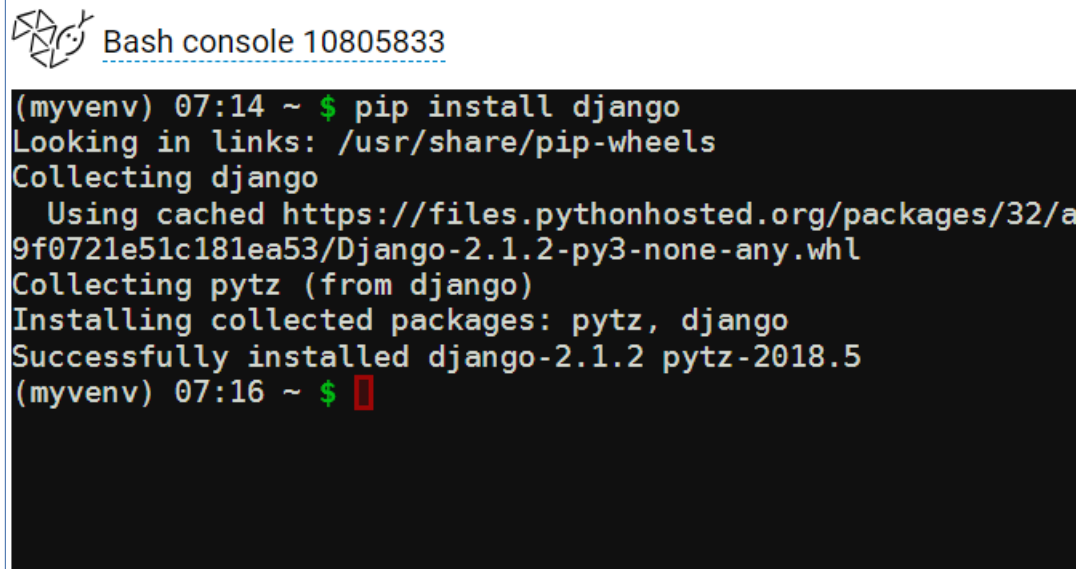
- 파이썬 가상환경 실행 : `source myenv/bin/activate`



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 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

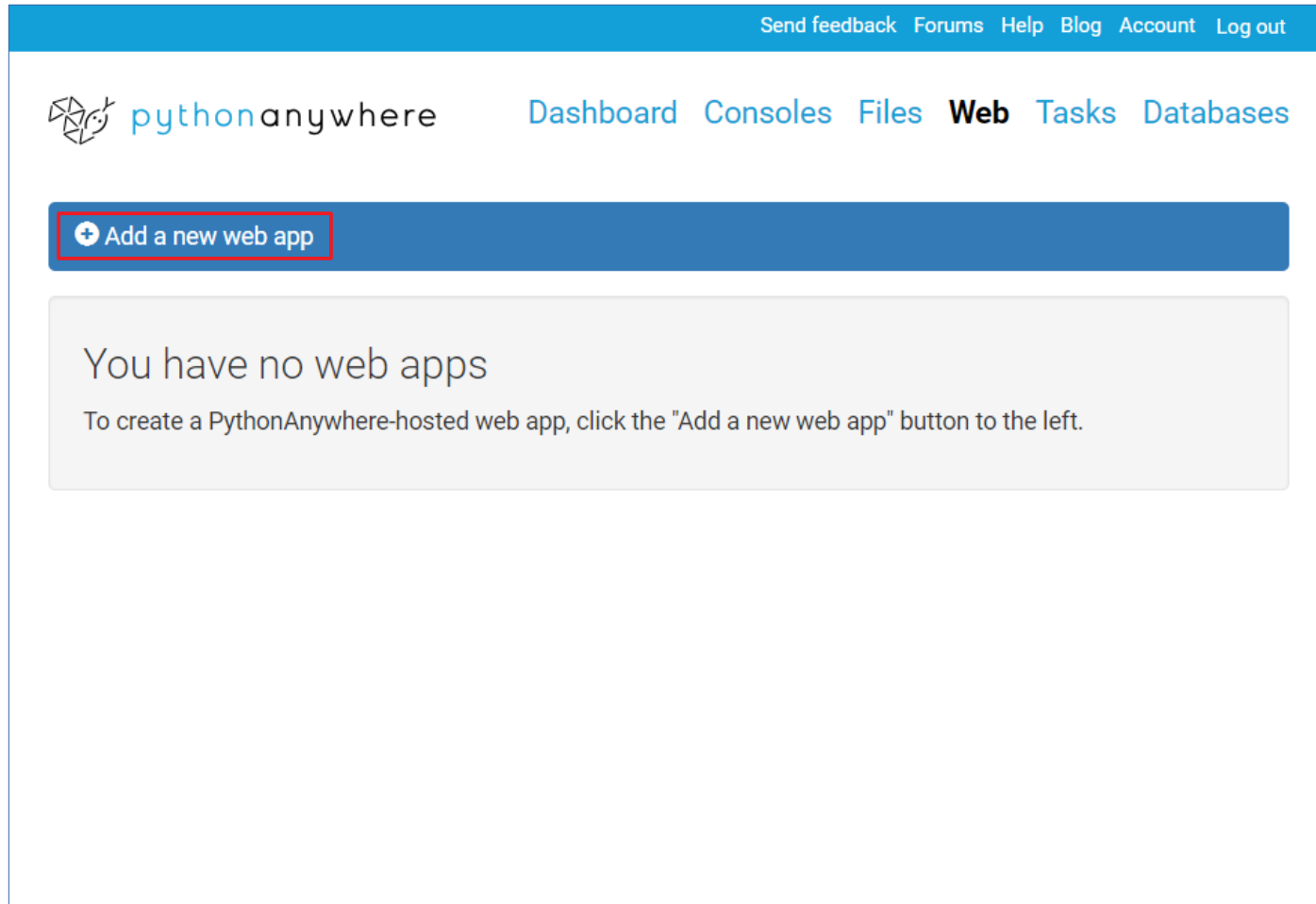


Bash console 10805833

```
(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)$
```

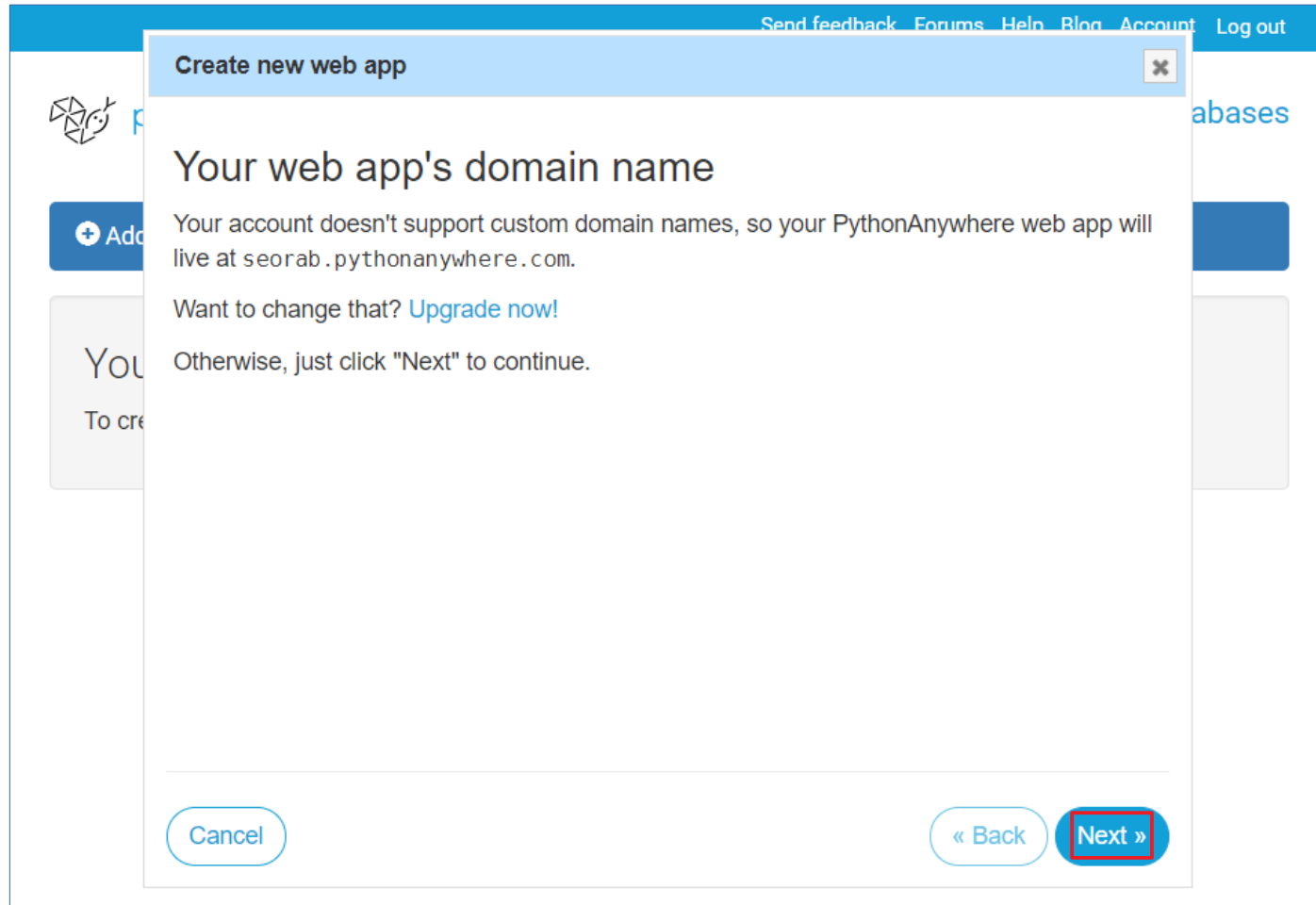

■ 장고 프로젝트 배포

● web app 등록 – Add a new web app



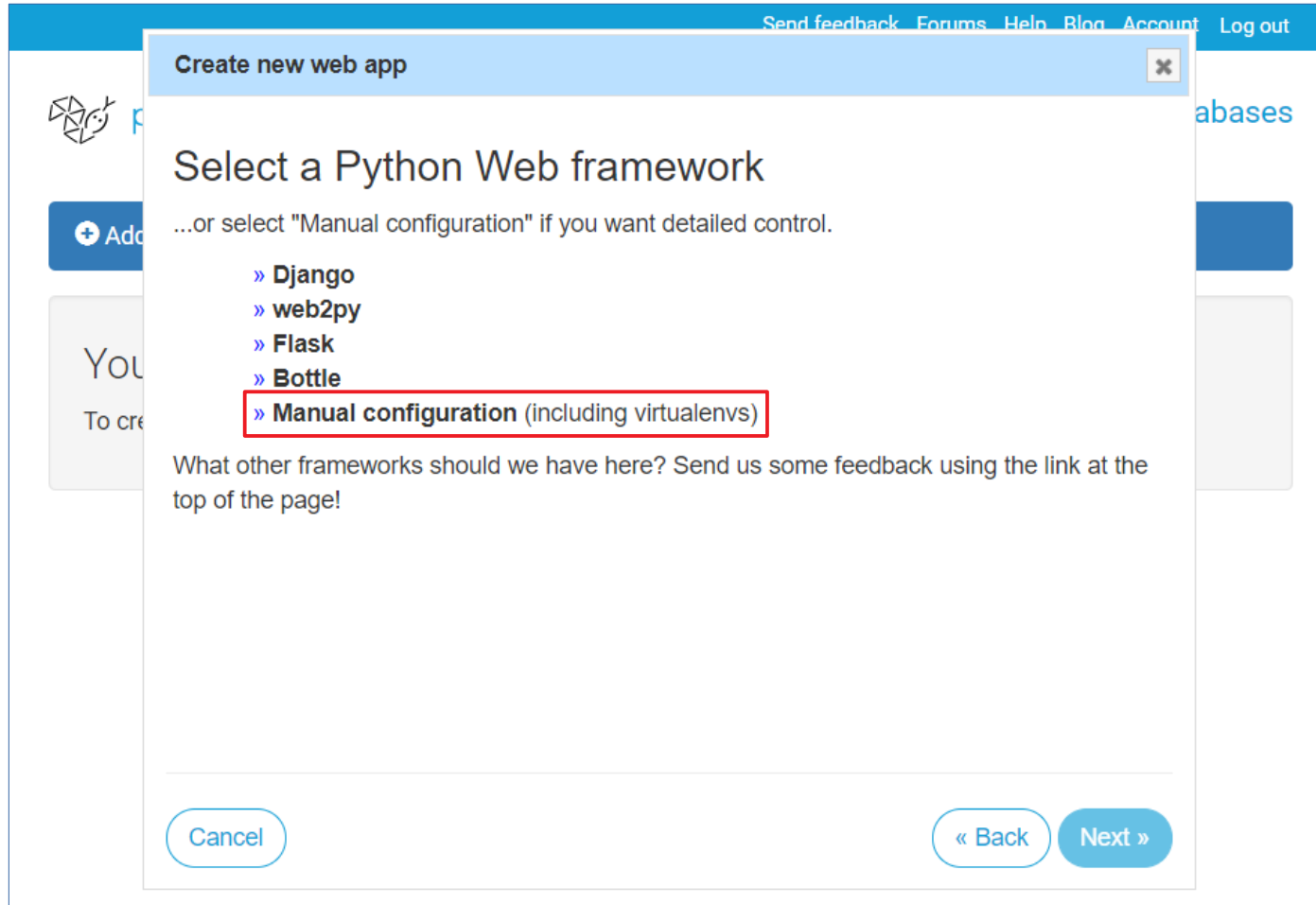
■ 장고 프로젝트 배포

● web app 등록



■ 장고 프로젝트 배포

● web app 등록 – Manual configuration



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

Send feedback Forums Help Blog Account Log out

Create new web app

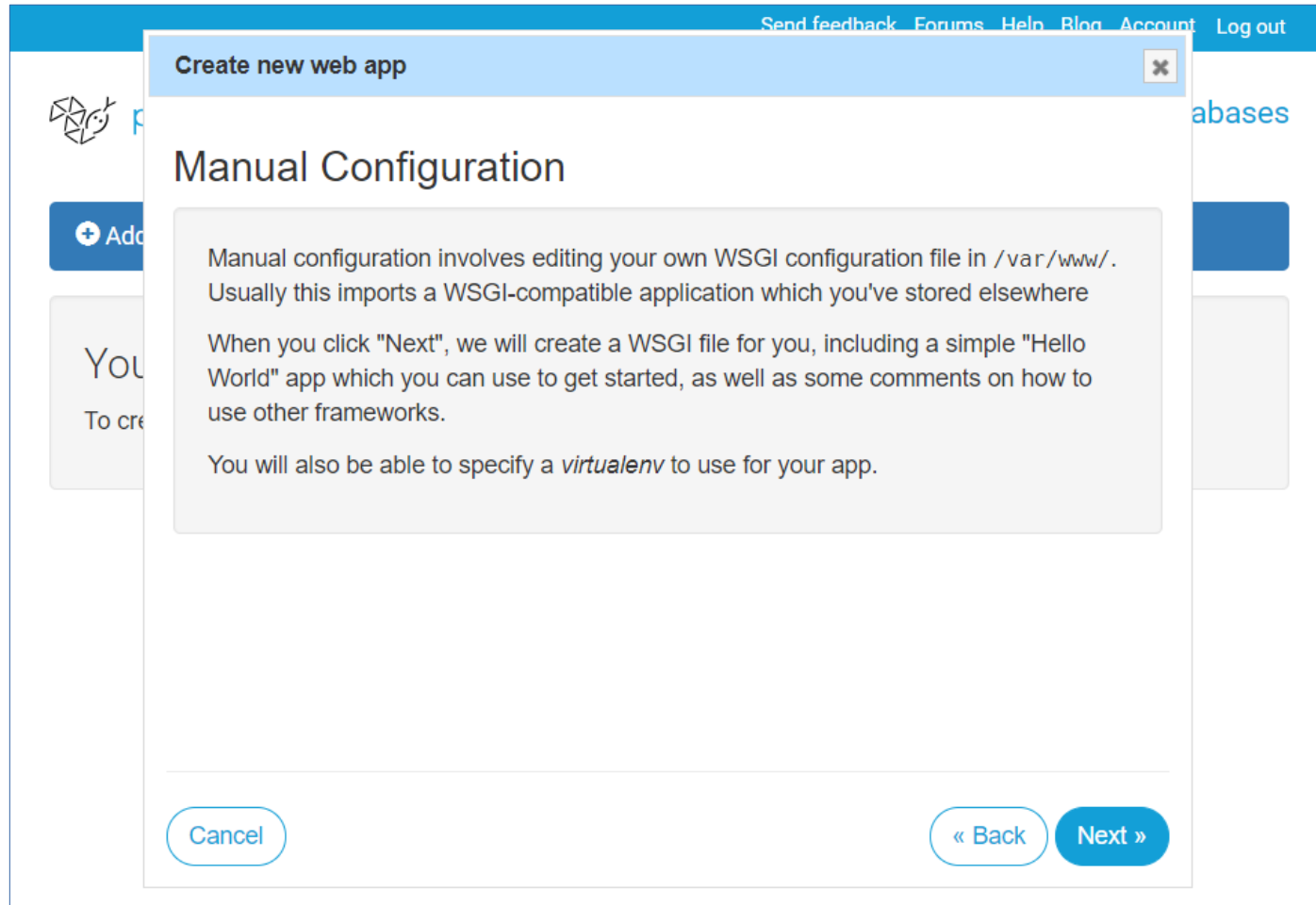
Select a Python version

- » 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](#)

[/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.

[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

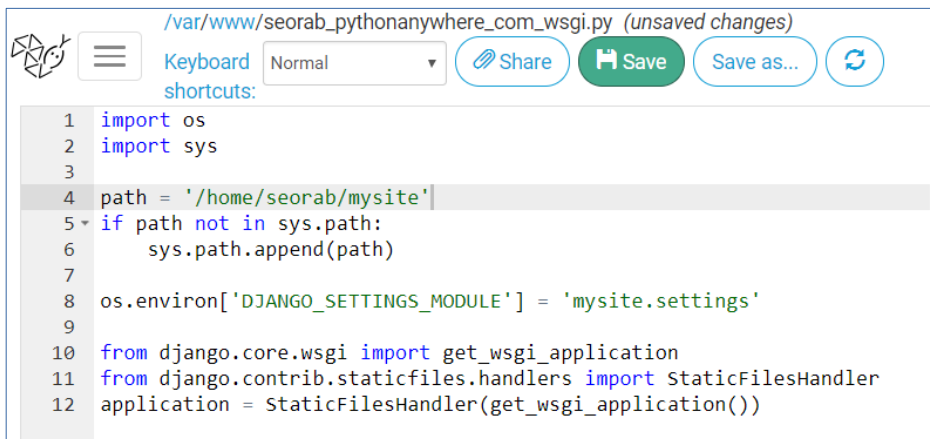
● web app 등록 – WSGI

```
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'

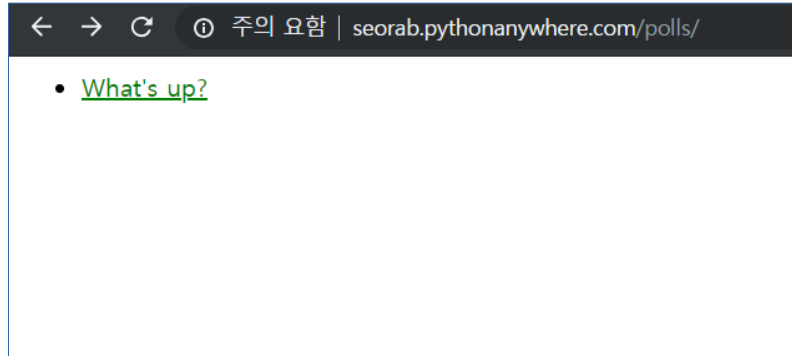
from django.core.wsgi import get_wsgi_application
from django.contrib.staticfiles.handlers import StaticFilesHandler
application = StaticFilesHandler(get_wsgi_application())
```

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, a "Share" button, a "Save" button, a "Save as..." button, and a refresh icon. The main area of the editor contains the same Python code as the previous block, with line numbers 1 through 12 on the left. The code is:

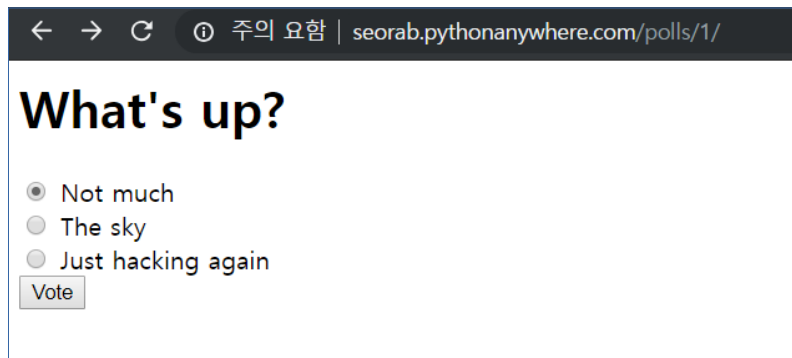
```
1 import os
2 import sys
3
4 path = '/home/seorab/mysite'
5 if path not in sys.path:
6     sys.path.append(path)
7
8 os.environ['DJANGO_SETTINGS_MODULE'] = 'mysite.settings'
9
10 from django.core.wsgi import get_wsgi_application
11 from django.contrib.staticfiles.handlers import StaticFilesHandler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

■ 장고 프로젝트 배포

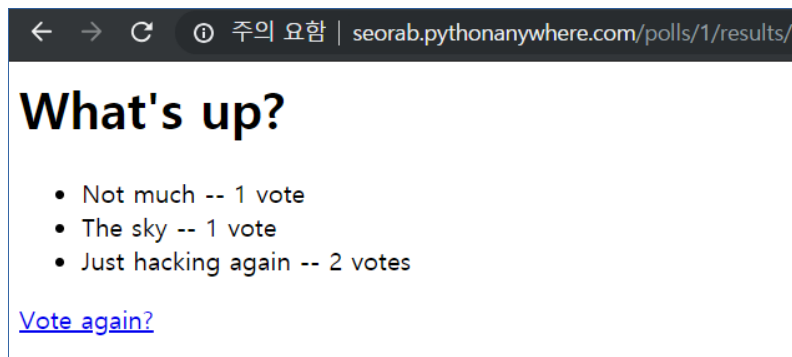
● 웹사이트 구동 확인



`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)$
```