BargainBox project environment setup and execution instructions

Routes:

- /
- /register
- /signin
- /signout
- /my-profile
- /my-profile/edit
- /admin

Technologies used:

- Python version 3.8 or above
- Django web framework version 4.2.16
- Pillow imaging library version 10.4.0

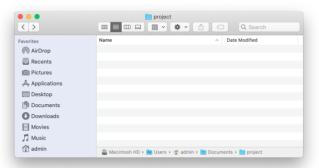
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- 2. Running the project
 - a. macOS instructions
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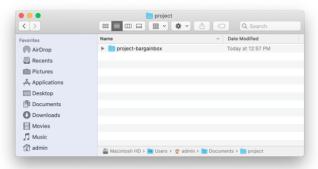
Setting up the project environment:

macOS

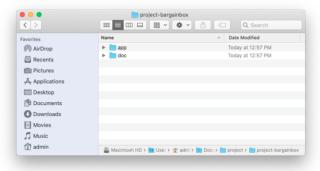
1. Create a new directory anywhere on your system. I will create a new directory called "project".



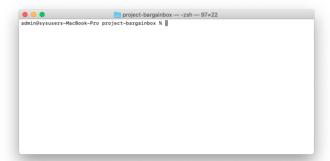
2. In the empty directory that was created in the previous step, clone the "project-bargainbox" GitHub repository. After doing this, a new "project-bargainbox" directory will be created.



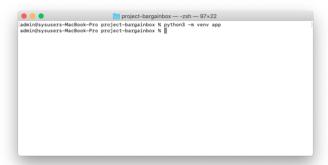
- 3. Navigate into the newly created "project-bargainbox" directory. You will see two sub-directories:
 - a. "app" contains the project's code
 - b. "doc" contains the project's documentation and sprint information



4. It is highly recommended that this project be executed from within a Python virtual environment. Unfortunately, the Python virtual environment files are not included in the GitHub repository as they are platform specific. As such, you need to create a Python virtual environment on your own. To create a Python virtual environment, open the Terminal and navigate to the "project-bargainbox" directory that is shown in the screenshot above.



5. Once your current working directory is set to "project-bargainbox", run the following command: "python3 -m venv app". This will create a Python virtual environment in the "app" sub-directory.



6. Navigate into the "app" directory.



7. We can now activate the newly created Python virtual environment. To do this, run the following command: "source bin/activate".



8. Next, we need to download and install the necessary dependencies in the Python virtual environment. To do this, run the following command: "pip3 install -r requirements.txt". Please note, this step only needs to be performed when running in a newly created Python virtual environment.

```
app — -zsh — 97×22

3446d73314accd06e4fftb01d/pillow-10.4.0-cp38-cp38-macox,10.10.x86_64.whl

Collecting sqlparses>=0.3.1 (from djangorm-2.16->-r requirements.txt (line 1))

Using cached https://files.pythonhosted.org/packages/3d/3s/b2860373aa8de1e626b2bdfddddf4355f066
5b276b176de5*re78faf6fs.galparse=6.5.1-py3-none-any.whl

Collecting backports.zoneinfo; python_version < "3.7" (from djangorm-2.16->-r requirements.txt (line 1))

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Using cached https://files.pythonhosted.org/packages/4a/da/ca084ecadcbf8bddcc06feb0e355530147

f8577420b4d408c7cac797a7/backports.zoneinfo-0.2.1-cp38-cp38-macoxx.10.14.x86_64.whl

Collecting agairef4.>3-3.6. (from djangor=2.16->r requirements.txt (line 1))

Using cached https://files.pythonhosted.org/packages/39/cs/939as757bc2012e6c26d9b5b8ad26365152

4b5bdacf567ac1e858282813e3sgairef-3.8.1-py3-none-any.whl

Collecting typing-extensions>=4; python_version < "3.11" (from asgiref4.>-3.6.0-ydjango=4.2.16->-r requirements.txt (line 1))

Using cached https://files.pythonhosted.org/packages/26/9f/ad63fc248c5379346386f8666cde2e22e9

C9562123cd2b6fdffdff3df3df3dfytyping_extensions-4.12.cpy3-none-any.whl

Installing collected packages: sqlparse, backports.zoneinfo-typing-extensions, asgiref, django,
Successfully installed asgiref-3.8.1 backports.zoneinfo-0.2.1 django-4.2.16 pillow-10.4.0 eglpars

e-0.5.1 typing-extensions-4.12.

Vau should consider ungrading via the 'pip install --upgrade pip' command.

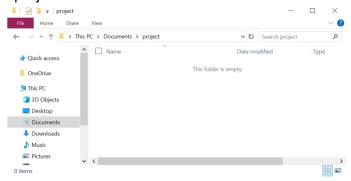
(app) admin@syusers-Mes0eko-Proa pp N
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9. The project environment has been successfully setup. Now we can close the Python virtual environment. To do this, run the following command: "deactivate". This concludes the project environment setup.

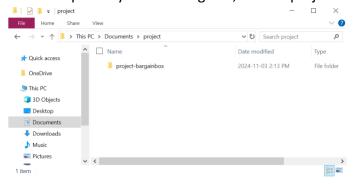


Windows

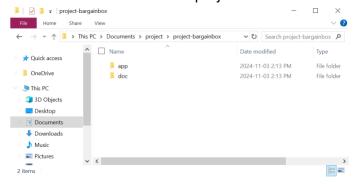
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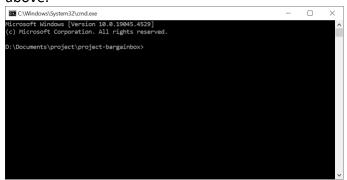
2. In the empty directory that was created in the previous step, clone the "project-bargainbox" GitHub repository. After doing this, a new "project-bargainbox" directory will be created.



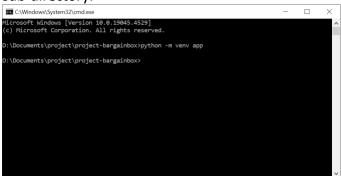
- 3. Navigate into the newly created "project-bargainbox" directory. You will see two sub-directories:
 - a. "app" contains the project's code
 - b. "doc" contains the project's documentation and sprint information



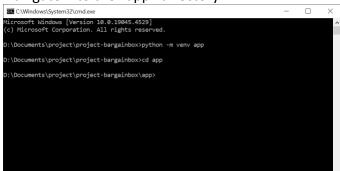
4. It is highly recommended that this project be executed from within a Python virtual environment. Unfortunately, the Python virtual environment files are not included in the GitHub repository as they are platform specific. As such, you need to create a Python virtual environment on your own. To create a Python virtual environment, open the Command Prompt and navigate to the "project-bargainbox" directory that is shown in the screenshot above.



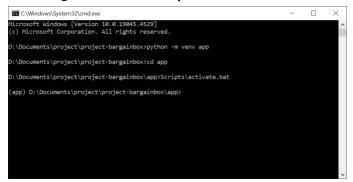
5. Once your current working directory is set to "project-bargainbox", run the following command: "python -m venv app". This will create a Python virtual environment in the "app" sub-directory.



6. Navigate into the "app" directory.



7. We can now activate the newly created Python virtual environment. To do this, run the following command: "Scripts\activate.bat".



8. Next, we need to download and install the necessary dependencies in the Python virtual environment. To do this, run the following command: "pip install -r requirements.txt". Please note, this step only needs to be performed when running in a newly created Python virtual environment.

```
Downloading pillow-10.4.0-cp313-cp313-win_amd64.whl.metadata (9.3 kB)

Collecting asgiref(4,>=3.6.0 (from django=4.2.16->r requirements.txt (line 1))

Downloading asgiref-3.8.1-py3-none-any.whl metadata (9.3 kB)

Collecting sqlparse>-0.3.1 (from django=4.2.16->r requirements.txt (line 1))

Downloading sqlparse-9.5.1-py3-none-any.whl metadata (3.4 kB)

Collecting tzdata (from django=4.2.16->r requirements.txt (line 1))

Downloading tzdata-2024.2-py2.py3-none-any.whl metadata (1.4 kB)

Downloading tzdata-2024.2-py3.py3-none-any.whl (8.0 WB)

Downloading pingo-4.2.16-py3-none-any.whl (8.0 WB)

Downloading sqlparse-0.5.1-py3-none-any.whl (8.0 WB)

Downloading sqlparse-0.5.1-py3-none-any.whl (44 kB)

Downloading sqlparse-0.5.1-py3-none-any.whl (44 kB)

Downloading sqlparse-0.5.1-py3-none-any.whl (44 kB)

Downloading tzdata-2024.2-py2.py3-none-any.whl (44 kB)

Downloading tzdata-2024.2-py2.py3-none-any.whl (366 kB)

Installing collected packages: tzdata, sqlparse, pillow, asgiref, django

Successfully installed asgiref-3.8.1 django-4.2.16 pillow-10.4.0 sqlparse-0.5.1 tzdata-2024.2

[potice] A new release of pip is available: 24.2 -> 24.3.1 [potice] To update, run: python.exe -m pip install --upgrade pip

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```
Collecting asgiref-4,>=3.6.0 (from django==4.2.16->-r requirements.txt (line 1))
Downloading asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)
Collecting asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)
Collecting sqlparse-6.5.1-py3-none-any.whl.metadata (9.4 kB)
Collecting tadata (from django==4.2.16->-r requirements.txt (line 1))
Downloading sqlparse-0.5.1-py3-none-any.whl.metadata (3.9 kB)
Collecting tadata (from django==4.2.16->-r requirements.txt (line 1))
Downloading tadata-2024.2-py2.py3-none-any.whl.metadata (1.4 kB)
Downloading Django-4.2.16-py3-none-any.whl (8.0 kB)

Downloading pillow-10.4.0-cp313-cp313-win_amd64.whl (2.6 kB)

Downloading sqlparse-0.5.1-py3-none-any.whl (23 kB)
Downloading sqlparse-0.5.1-py3-none-any.whl (44 kB)
Downloading sqlparse-0.5.1-py3-none-any.whl (44 kB)
Downloading sqlparse-0.5.1-py3-none-any.whl (346 kB)
Installing collected packages: tradata, sqlparse, pillow, asgiref, django
Successfully installed asgiref-3.8.1 django-4.2.16 pillow-10.4.0 sqlparse-0.5.1 trdata-2024.2

[notice] A new release of pip is available: 24.2 -> 24.3.1

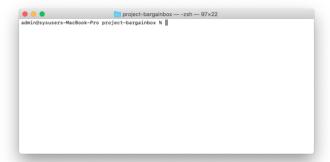
[notice] A new release of pip is available: 24.2 -> 24.3.1

[notice] D:\Documents\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\project\p
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Running the project:

macOS

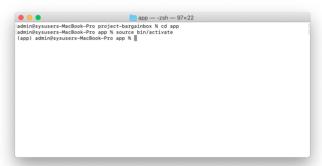
1. In the Terminal, set the current working directory to the "project-bargainbox" folder that was created during the environment setup process described above.



2. Navigate into the "app" sub-directory.



3. Activate the Python virtual environment. To do this, run the following command: "source bin/activate".



4. Navigate into the "bargain_box" sub-directory.

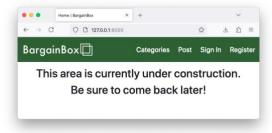


5. Run the server. To do this, run the following command: "python3 manage.py runserver".

```
bargain_box — Python · Python manage.py runserver — 97×22

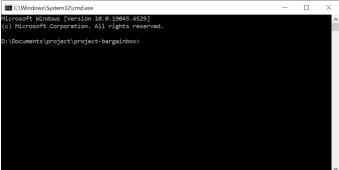
| admin@sysusers—Mac8ook-Pro project-bargainbox % cd app | | |
| admin@sysusers—Mac8ook-Pro app % source bin/activate | | |
| (app) admin@sysusers—Mac8ook-Pro app % cd bargain_box % python3 manage.py runserver | |
| (app) admin@sysusers—Mac8ook-Pro bargain_box % python3 manage.py runserver | |
| (app) admin@sysusers—Mac8ook-Pro bargain_box % python3 manage.py runserver | |
| (app) admin@sysusers—Mac8ook-Pro bargain_box | |
| (app) admin@sysusers—Mac8ook-Pro paragin_box | |
| (app) admin@sysusers—Mac8ook-P
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6. To access the application in a web browser, navigate to the URL that is provided by the previous step's command output. You will now be able to access our application.

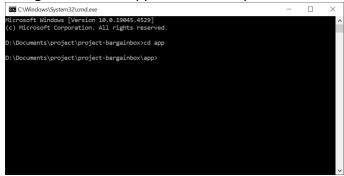


Windows

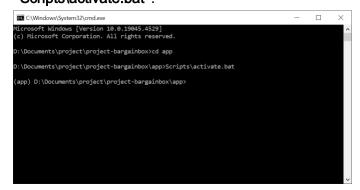
1. In the Command Prompt, set the current working directory to the "project-bargainbox" folder that was created during the environment setup process described above.



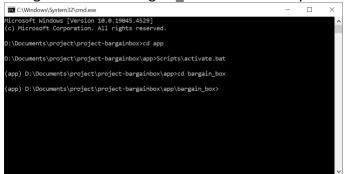
2. Navigate into the "app" sub-directory.



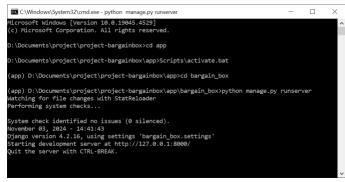
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5. Run the server. To do this, run the following command: "python manage.py runserver".



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