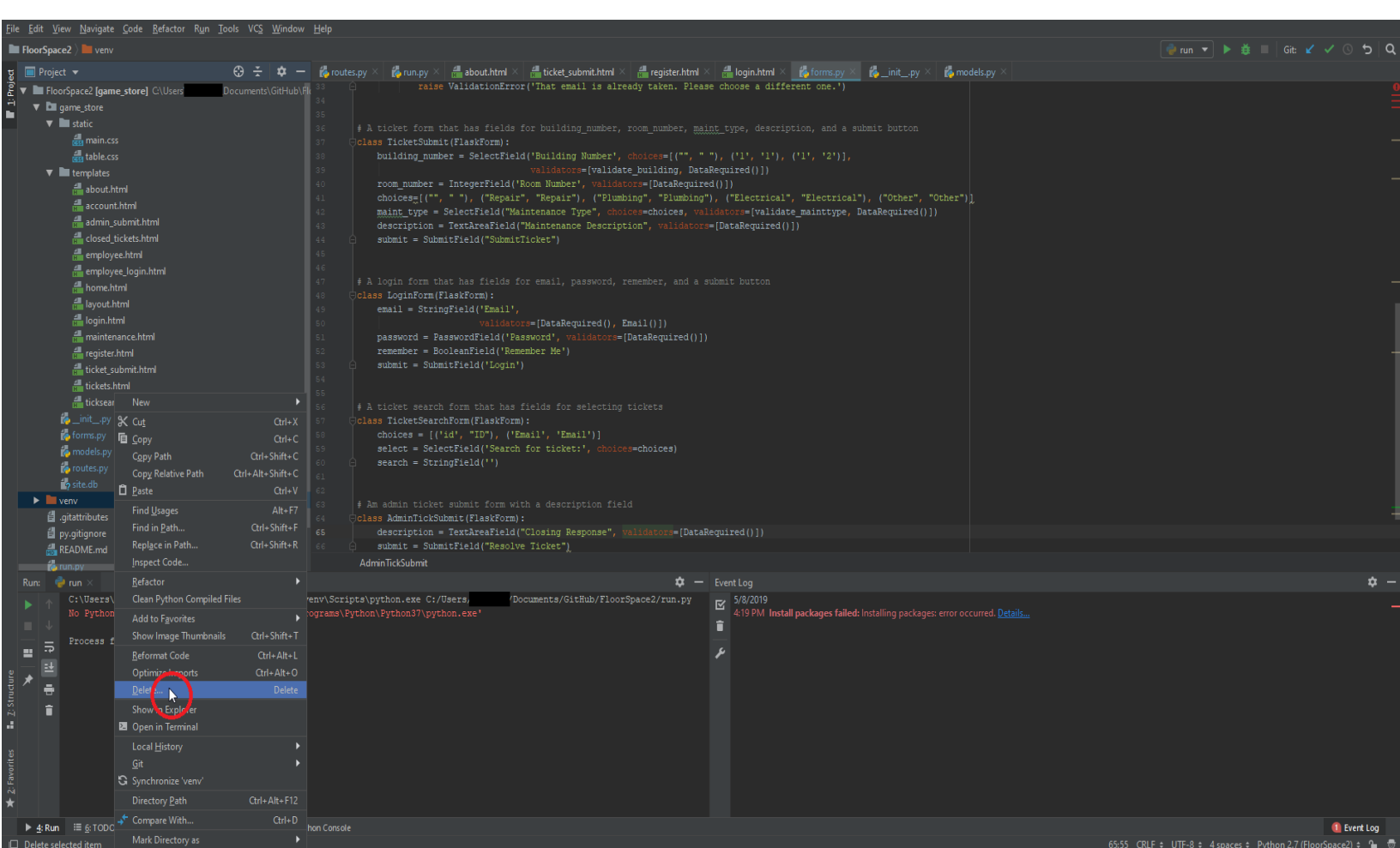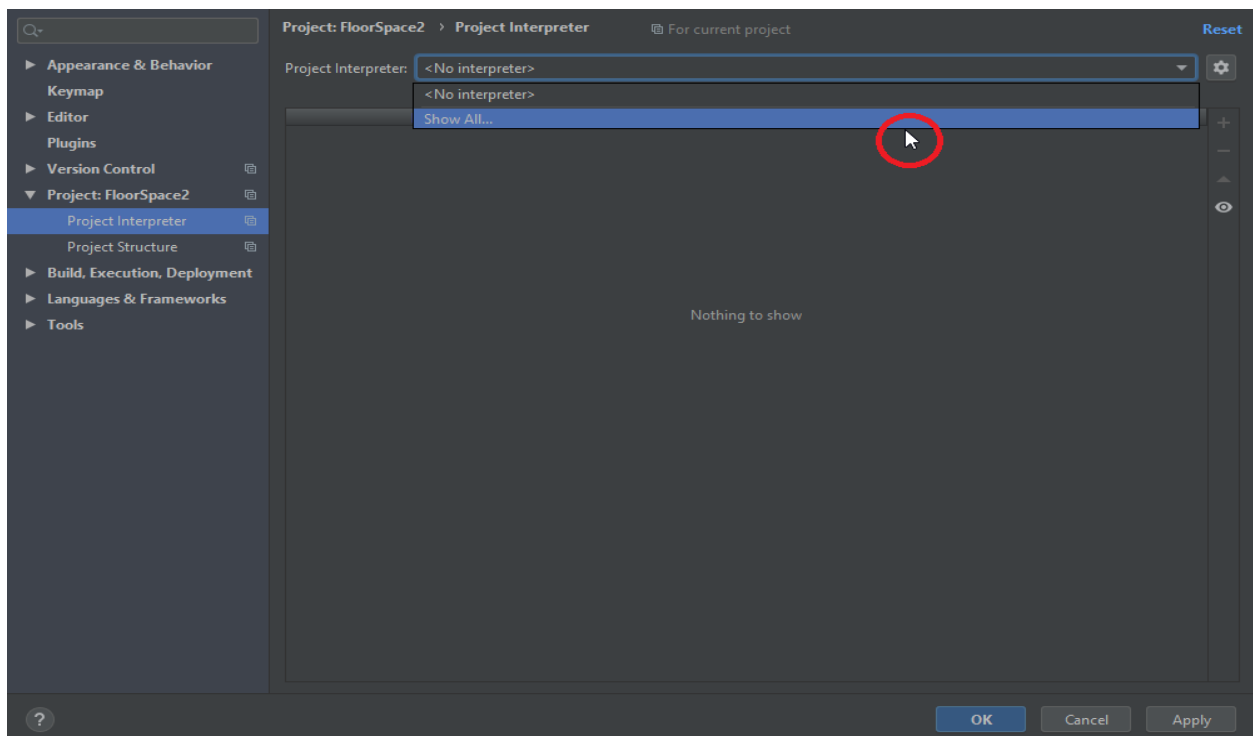## Installation Procedure using Pycharm

After cloning FloorSpace2 from https://github.com/ColeW23/FloorSpace2 from GitHub, delete the venv folder that already exists in the project. We will be setting up a new one afterwards.

After deleting venv, Pycharm should prompt the user to configure the Python

interpreter. This will add a virtual environment to the project. To do so, either click

the prompt or navigate to the location from File → Settings in Pycharm

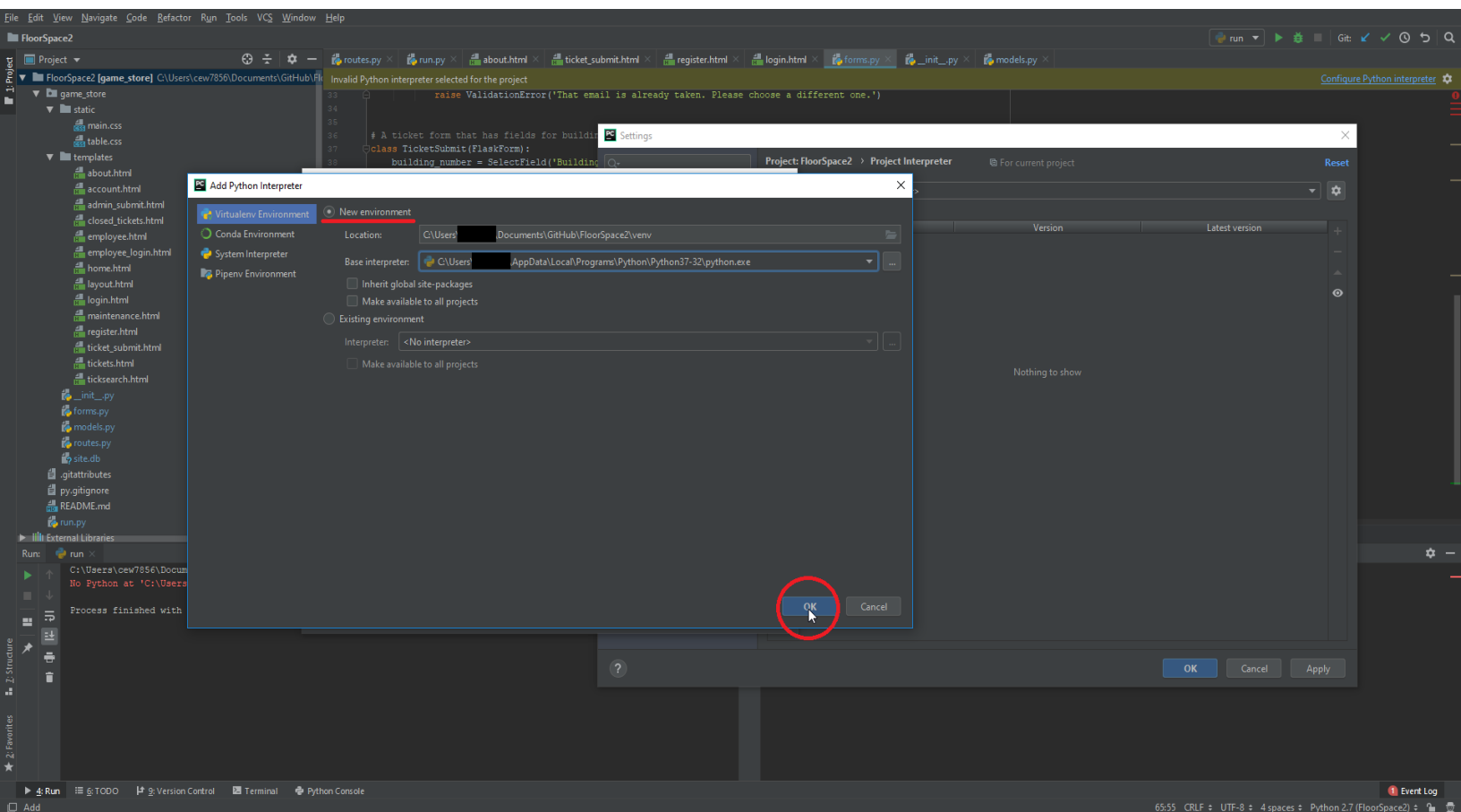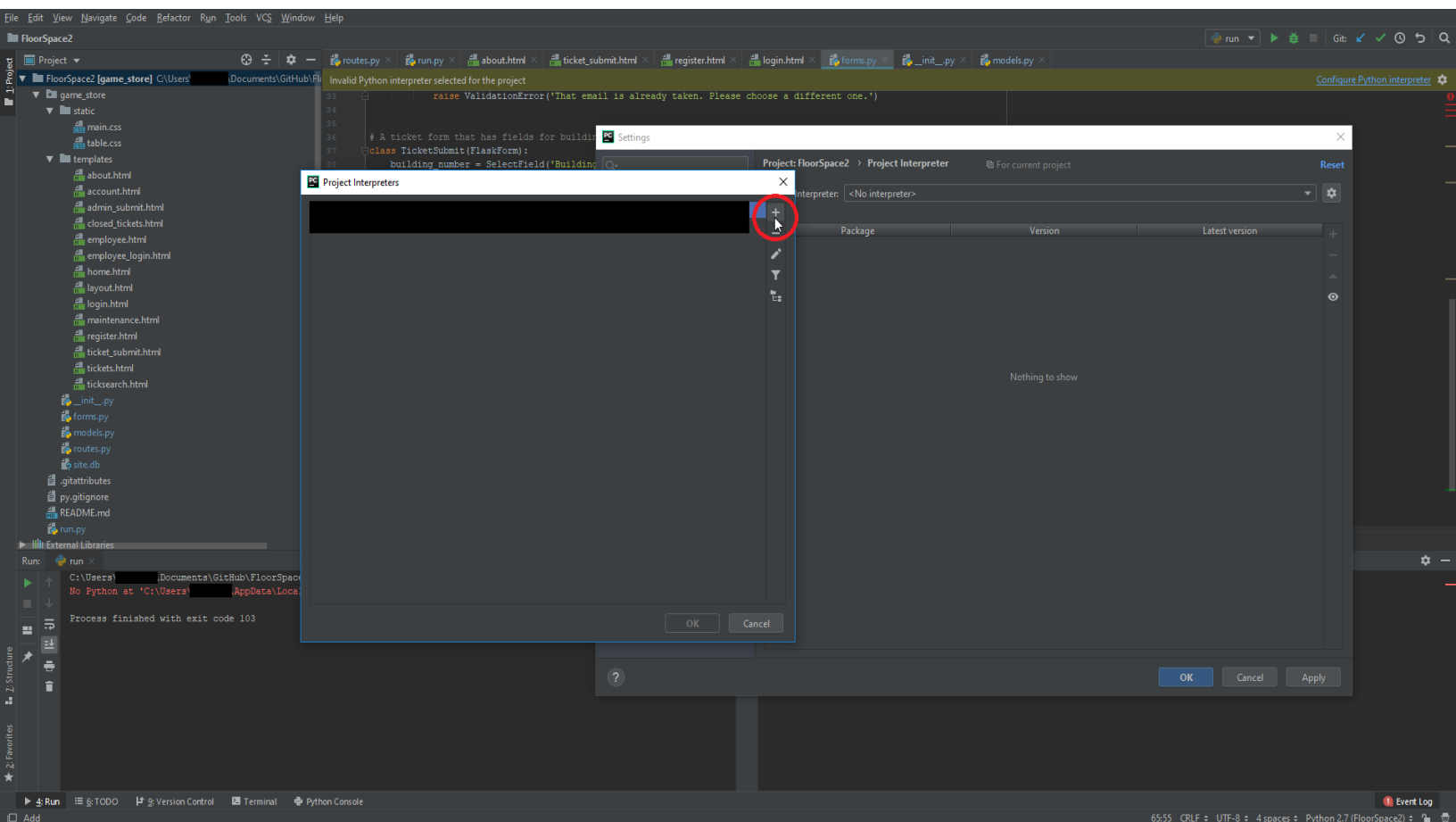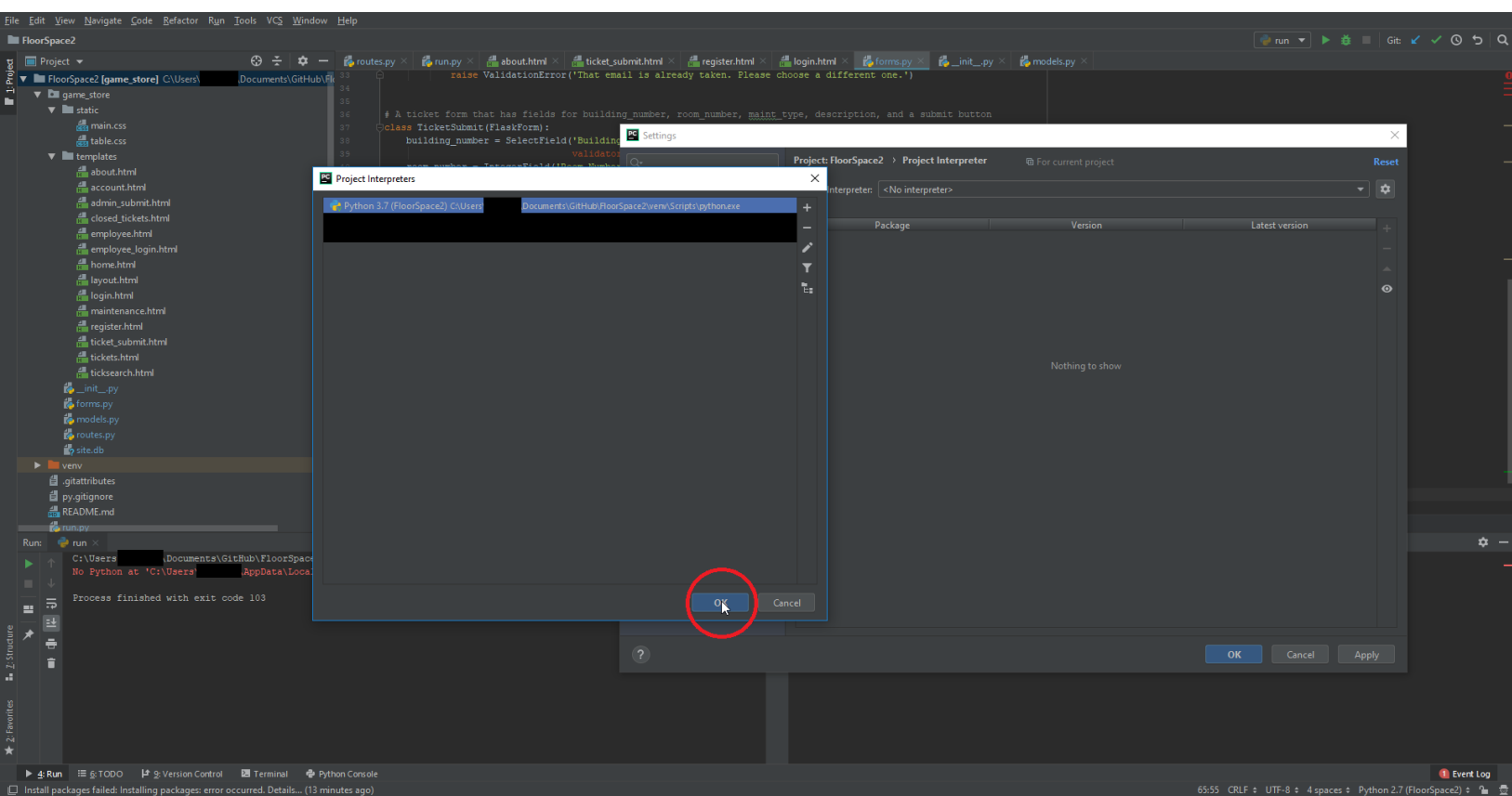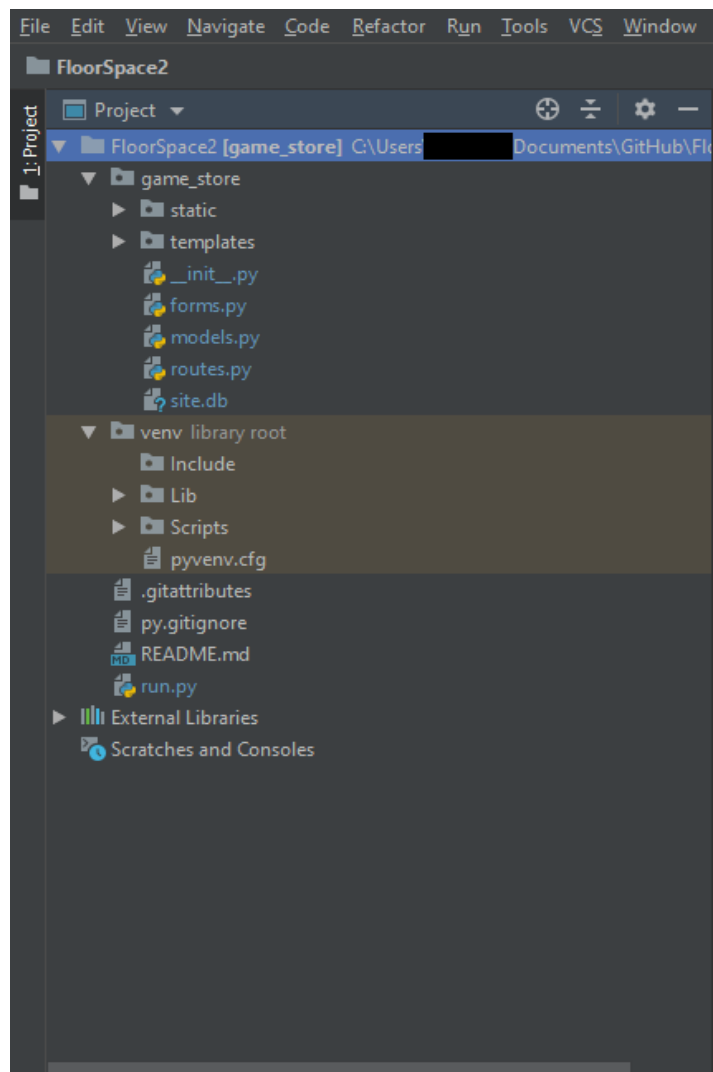File   Edit   View   Navigate   Code   Refactor   Run   Tools   VCS   Window   Help

FloorSpace2

Project
FloorSpace2 [game_store] C:\Users\...\Documents\GitHub\Fl...
  game_store
    static
      main.css
      table.css
    templates
      about.html
      account.html
      admin_submit.html
      closed_tickets.html
      employee.html
      employee_login.html
      home.html
      layout.html
      login.html
      maintenance.html
      register.html
      ticket_submit.html
      tickets.html
      ticksearch.html
    __init__.py
    forms.py
    models.py
    routes.py
    site.db
  .gitattributes
  py.gitignore
  README.md
  run.py
External Libraries

routes.py   run.py   about.html   ticket_submit.html   register.html   login.html   forms.py   __init__.py   models.py

Invalid Python interpreter selected for the project   Configure Python interpreter

33   raise ValidationError('That email is already taken. Please choose a different one.')
34
35
36   # A ticket form that has fields for buildi...
37   class TicketSubmit(FlaskForm):
38   building_number = SelectField('Building...

Settings

Project Interpreters

Project: FloorSpace2 › Project Interpreter   For current project   Reset

interpreter: <No interpreter>

Package   Version   Latest version

Nothing to show

OK   Cancel

Run: run
C:\Users\...\Documents\GitHub\FloorSpac...
No Python at 'C:\Users\...\AppData\Loca...

Process finished with exit code 103

OK   Cancel

?   OK   Cancel   Apply

4: Run   6: TODO   9: Version Control   Terminal   Python Console   Event Log

65:55   CRLF   UTF-8   4 spaces   Python 2.7 (FloorSpace2)

File   Edit   View   Navigate   Code   Refactor   Run   Tools   VCS   Window   Help

FloorSpace2

Project
FloorSpace2 [game_store] C:\Users\cew7856\Documents\GitHub\FloorSpace2
  game_store
    static
      main.css
      table.css
    templates
      about.html
      account.html
      admin_submit.html
      closed_tickets.html
      employee.html
      employee_login.html
      home.html
      layout.html
      login.html
      maintenance.html
      register.html
      ticket_submit.html
      tickets.html
      ticksearch.html
    __init__.py
    forms.py
    models.py
    routes.py
    site.db
  .gitattributes
  py.gitignore
  README.md
  run.py
External Libraries

routes.py   run.py   about.html   ticket_submit.html   register.html   login.html   forms.py   __init__.py   models.py

Invalid Python interpreter selected for the project   Configure Python interpreter

                     raise ValidationError('That email is already taken. Please choose a different one.')
34
35
36   # A ticket form that has fields for buildi...
37   class TicketSubmit(FlaskForm):
38   building_number = SelectField('Building...

Add Python Interpreter

Virtualenv Environment   New environment
Conda Environment
System Interpreter   Location: C:\Users\...\Documents\GitHub\FloorSpace2\venv
Pipenv Environment
                              Base interpreter: C:\Users\...\AppData\Local\Programs\Python\Python37-32\python.exe

                                   Inherit global site-packages
                                   Make available to all projects

                              Existing environment

                              Interpreter: <No interpreter>

                                   Make available to all projects

Settings

Project: FloorSpace2 › Project Interpreter   For current project   Reset

Version   Latest version

Nothing to show

OK   Cancel

Run: run
C:\Users\cew7856\Docum...
No Python at 'C:\Users...

Process finished with...

?   OK   Cancel   Apply

4: Run   6: TODO   9: Version Control   Terminal   Python Console   Event Log

65:55   CRLF   UTF-8   4 spaces   Python 2.7 (FloorSpace2)

Following the steps above should result in a project file explorer that looks like the

following example image:

Repository/Plugin Installation

The venv folder needs repositories in order to run the python scripts in the program. The list of required plugins are as follows.

1. Flask

2. SQLAlchemy

3. WTForms (Don't forget the s on Forms)

4. Flask-WTF

5. Flask-Bcrypt

6. Flask-SQLAlchemy

7. Flask-Login

To install these repositories, navigate to the Project Interpreter located underneath Project: FloorSpace2 from PyCharm File → Settings as shown below.
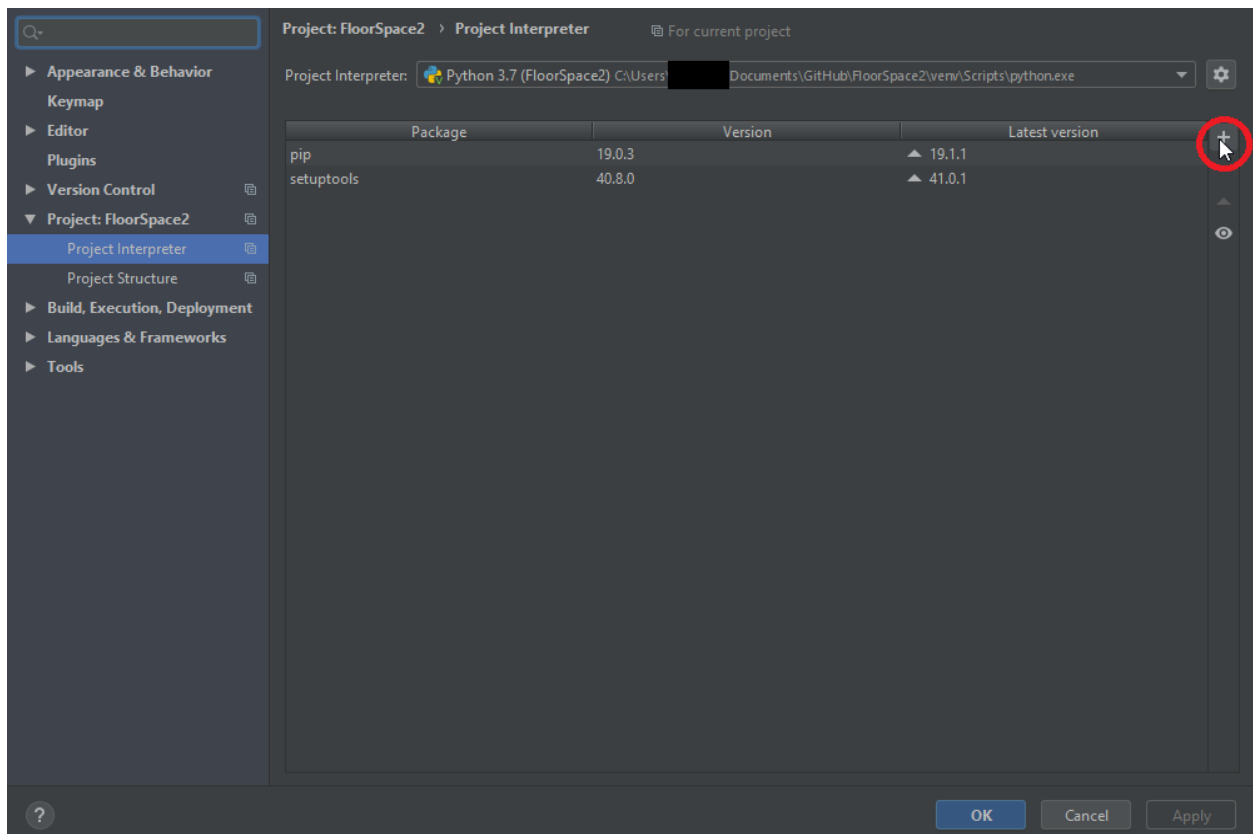
Then, search and click install for each of the repositories listed above.
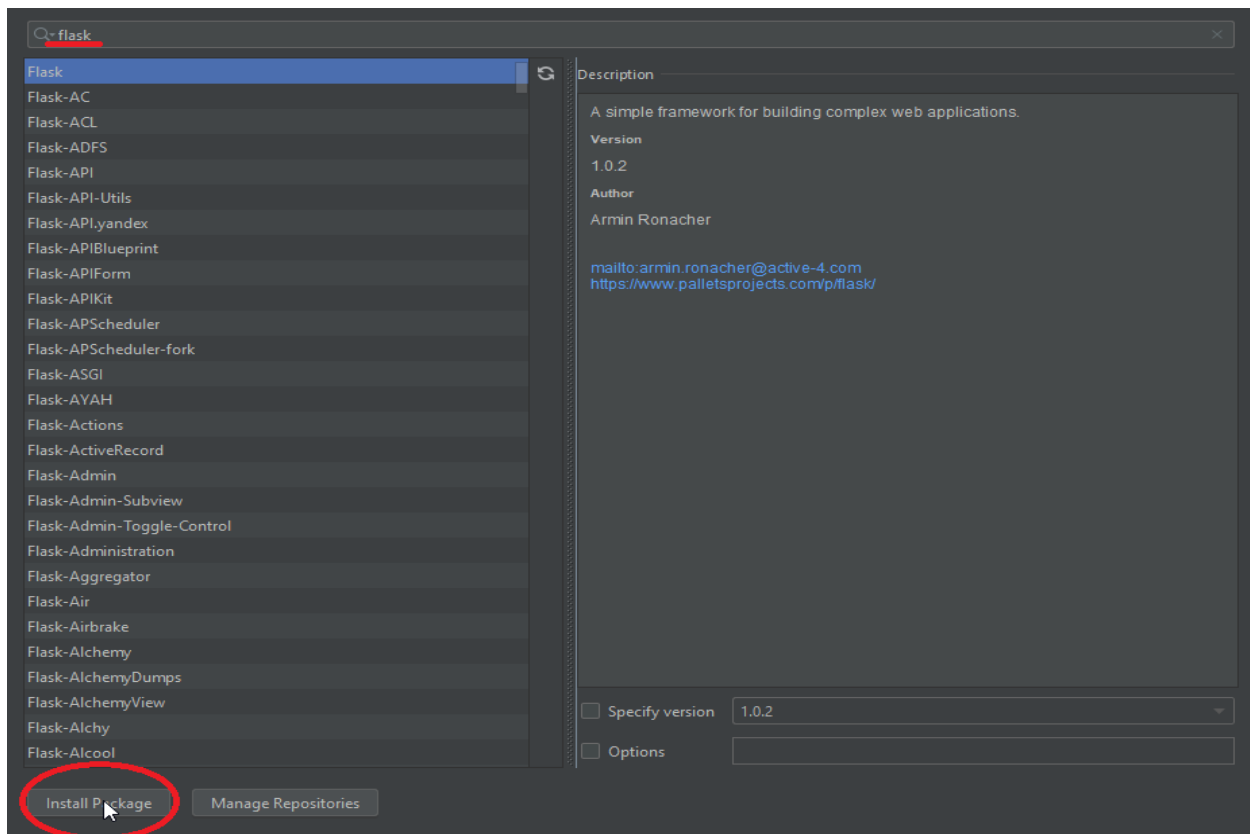
Doing the above steps for the all repositories, the project interpreter screen should look similar to the image below.
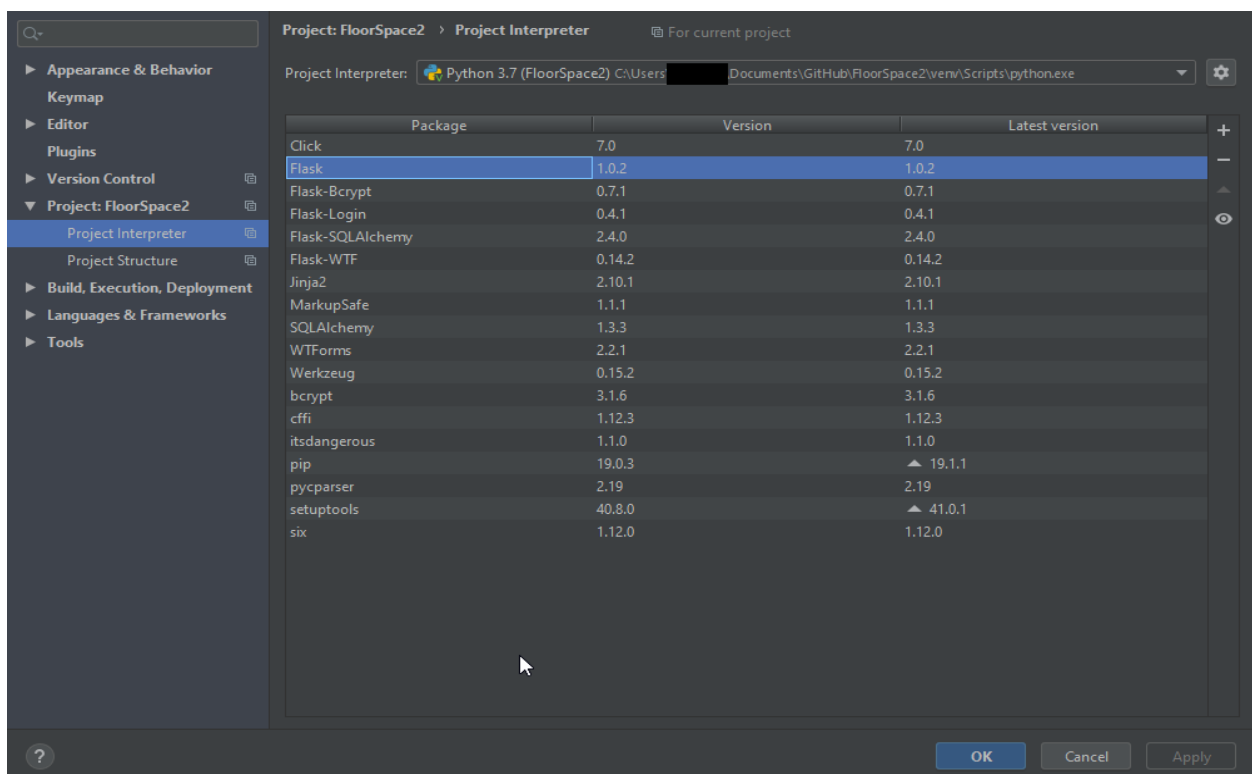
The project should now be ready to run. To build the software, navigate to run.py

and execute the script.
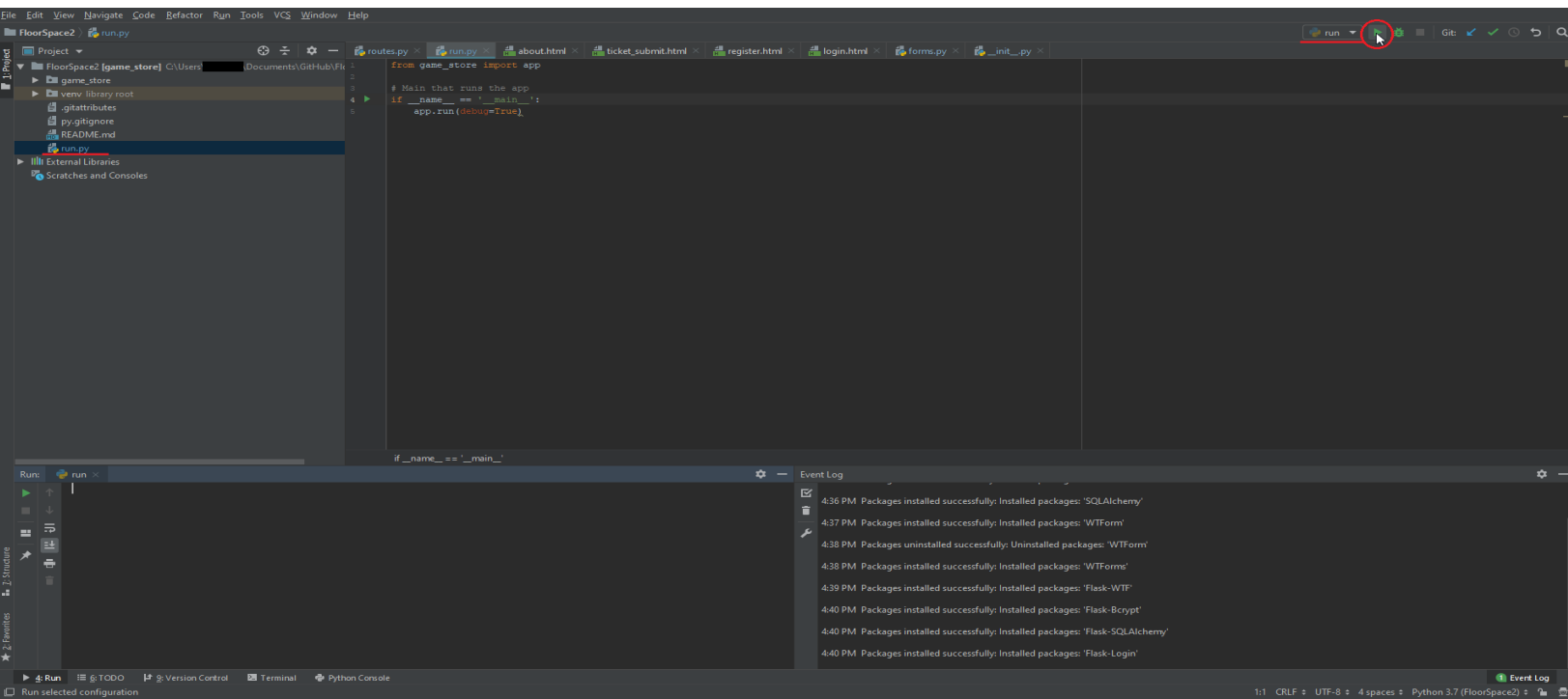
After the program runs, navigate to the console in the bottom left and click the

hyperlinked server url at the very bottom.
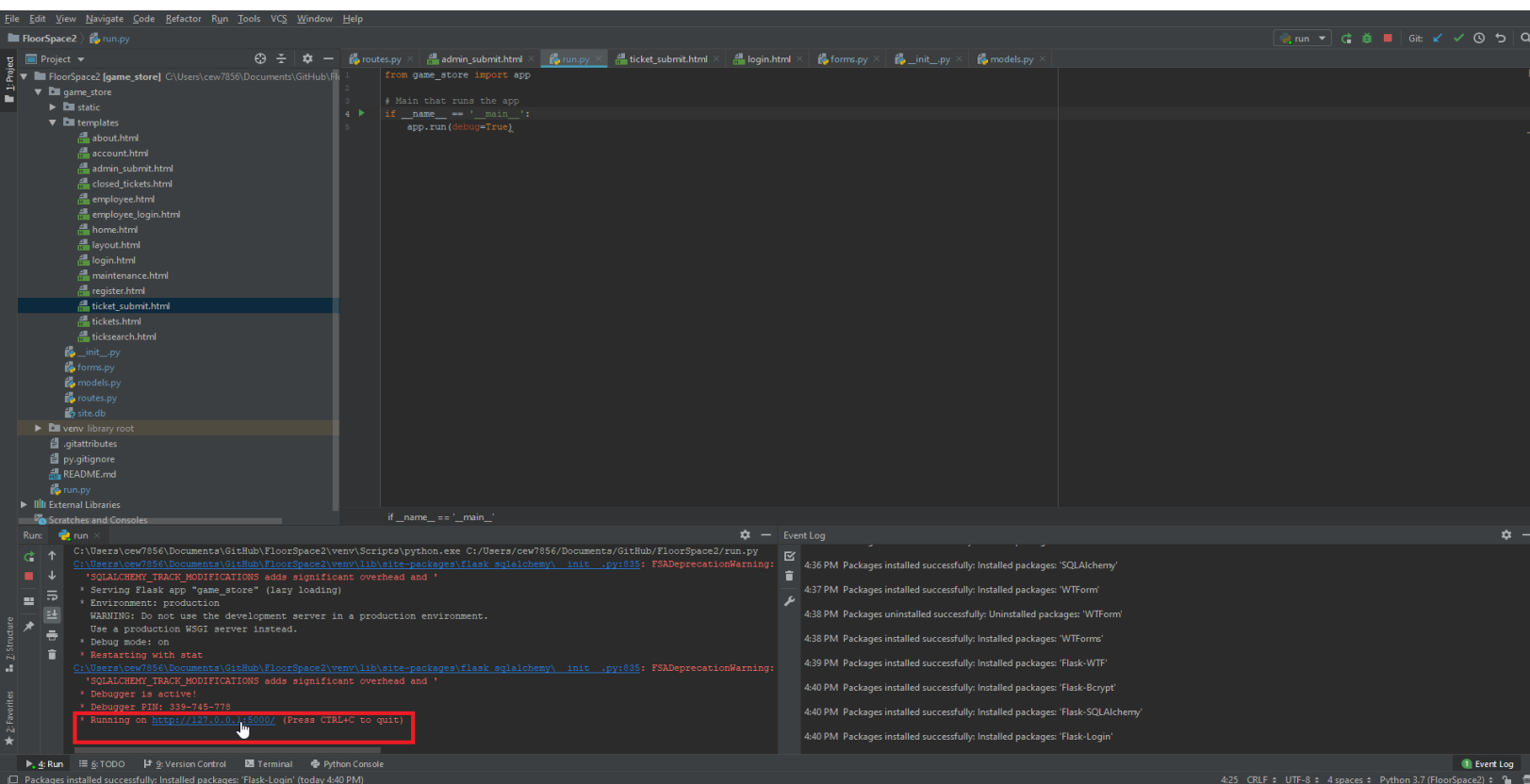
Congratulations! You have successfully set up the developer environment for

FloorSpace.