

PART 1: Install necessary software, Python, Django, and PyCharm

1. Follow the setup instructions given in the installation Guides for Python, Django, and PyCharm for Windows and MAC OS X. The guides are posted on BB under **Additional Resources**, if you do not have the necessary software installed.

2. Use this command to check Django version:

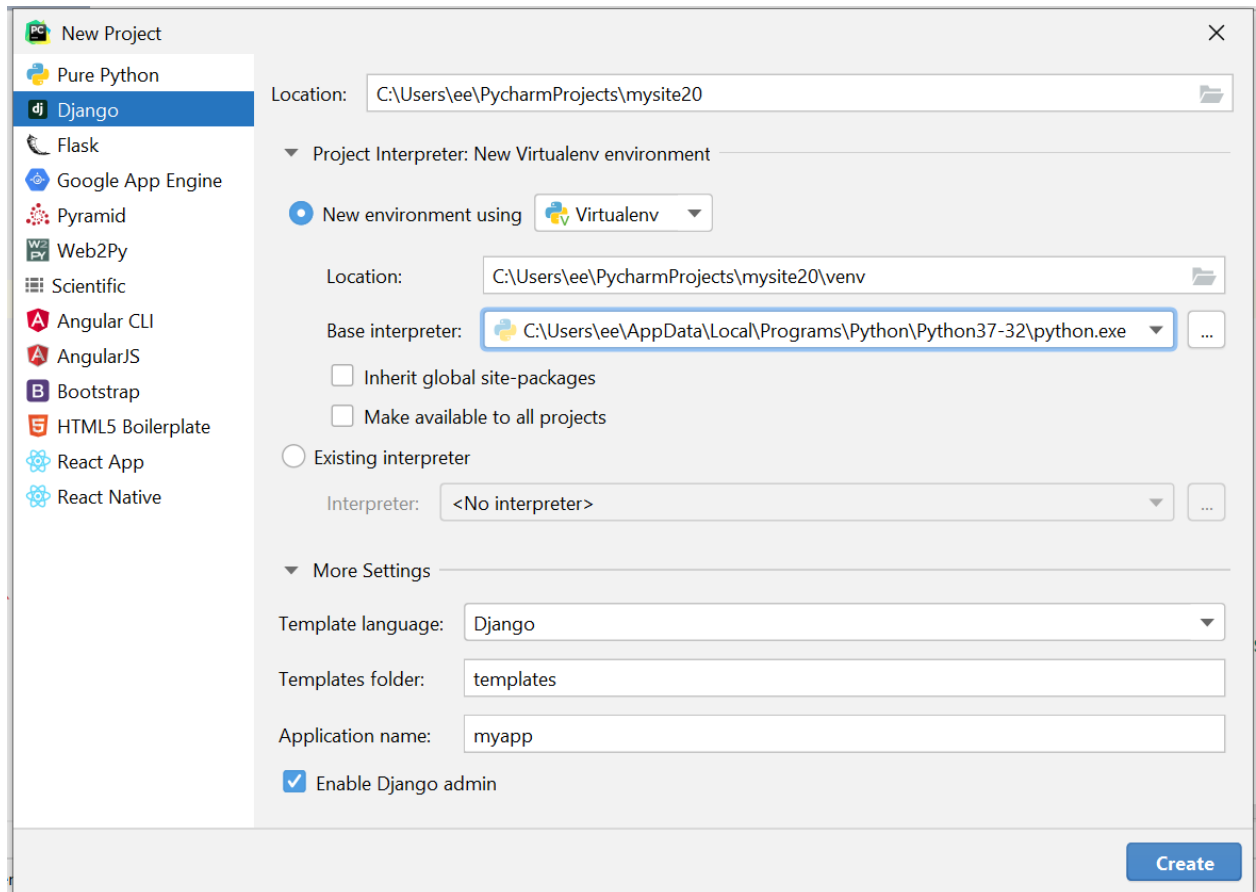
```
$ python -c "import django; print(django.get_version())"
```

PART 2: Run Django from PyCharm

1. Start a new project in PyCharm as shown in the dialogue box below.

- a) Open PyCharm and click on **File → New Project**.
- b) In left pane select “**Django**”
- c) In dialog box enter path and project name (*mysiteS20*)
- d) Enter the **path to Python** as the Base interpreter.
- e) Click “**More Settings**” and enter Application name (*myapp*)
- f) Click *Create*.

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2. Inside the project, click **Tools → Run manage.py Task ...**

a) Create the project database (db).

- Type the command **migrate** in **manage.py** console.
- Verify that the database is created.

b) Create admin user.

- Type **createsuperuser** in **manage.py** console.
- Enter username, email, password as prompted.

c) Start server.

- Click Run → **Run 'mysiteS20'**.

d) Go to 127.0.0.1:8000/ you should see this →



The install worked successfully! Congratulations!

You are seeing this page because `DEBUG=True` is in your settings file and you have not configured any URLs.

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In the next lab, you will start developing an **E-learning WebApp** in Django. First, you'll build the following models/tables in the webapp database. Then, you'll connect these models through relationships, e.g., one-to-many, many-to-many, etc. The diagram below shows the initial version of the models and their relationships, illustrated as arrows, the arrow direction indicates the many side of the relationship. The highlighted field is the one you'll choose to construct the relationship between models.

