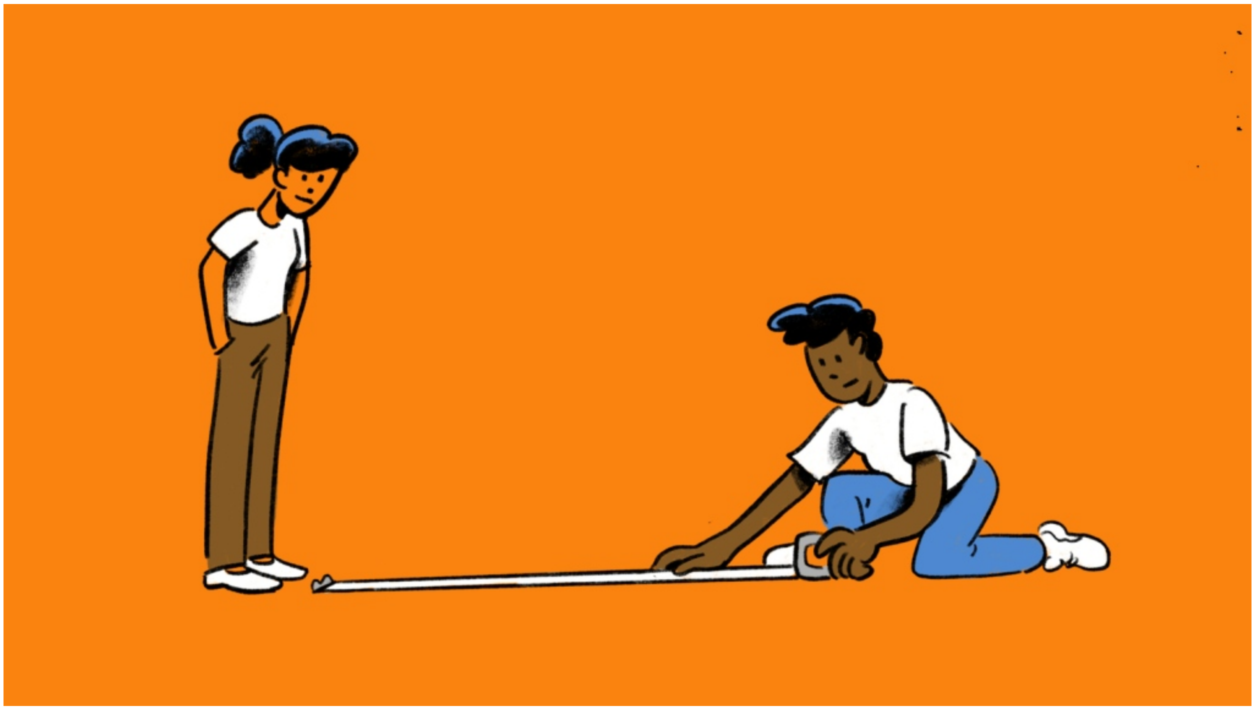
DEPLOYMENT MANUAL



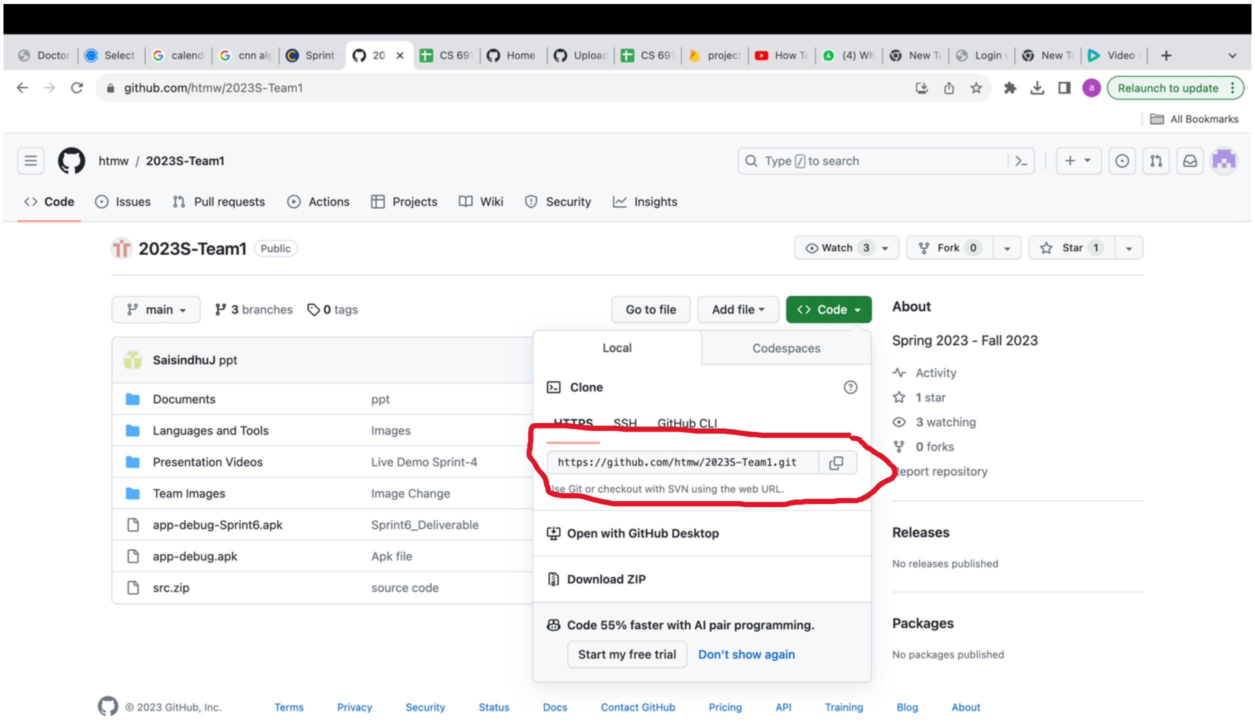
Prerequisites:

1. Ensure that you have the necessary credentials and access to a server.

2. Install Git on your local machine to clone the repository.

Step 1: Clone the Repository

```bash
git clone < >
cd <your_project_directory>
```



SaisindhuJ ppt

Documents	ppt
Languages and Tools	Images
Presentation Videos	Live Demo Sprint-4
Team Images	Image Change
app-debug-Sprint6.apk	Sprint6_Deliverable
app-debug.apk	Apk file
src.zip	source code

```
https://github.com/htmw/2023S-Team1.git
```

Use Git or checkout with SVN using the web URL.

Code 55% faster with AI pair programming.

About

Spring 2023 - Fall 2023

Activity · 1 star · 3 watching · 0 forks · Report repository

Releases

No releases published

Packages

No packages published

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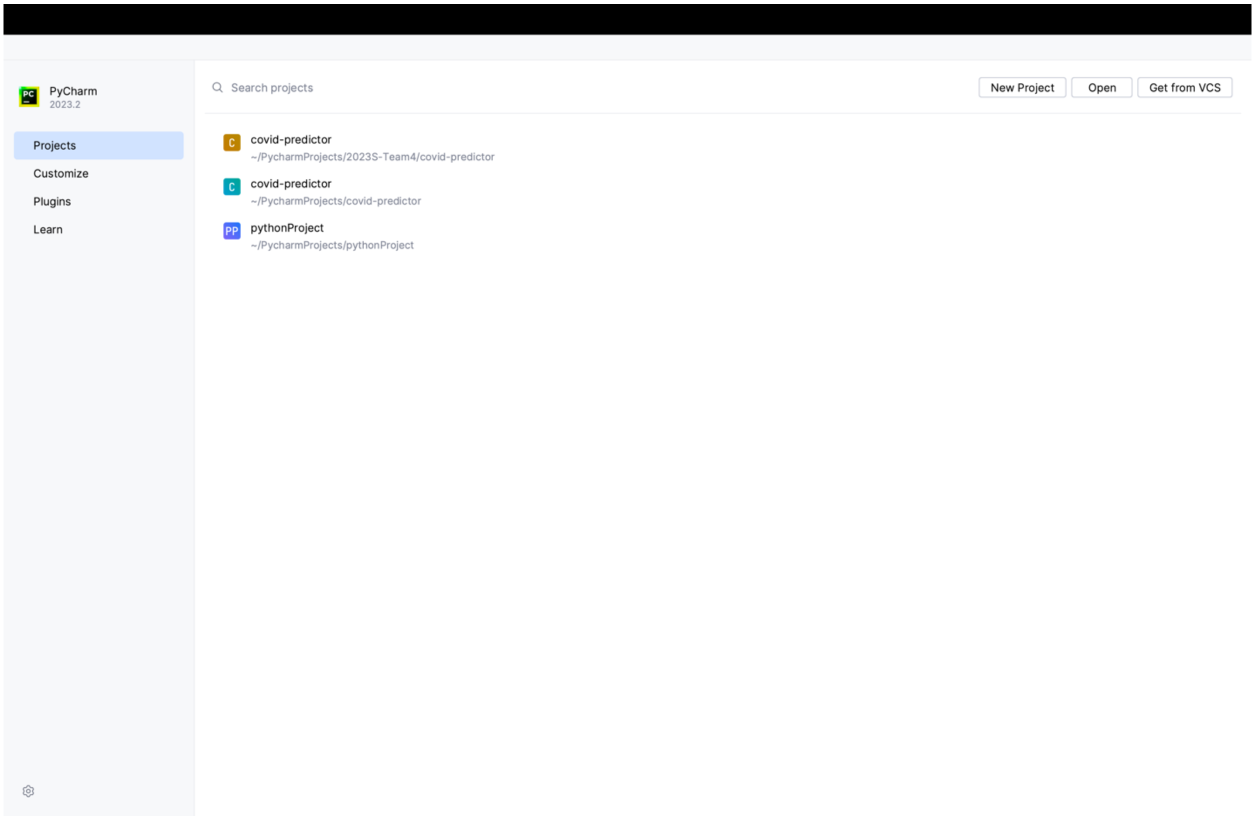
Next step-



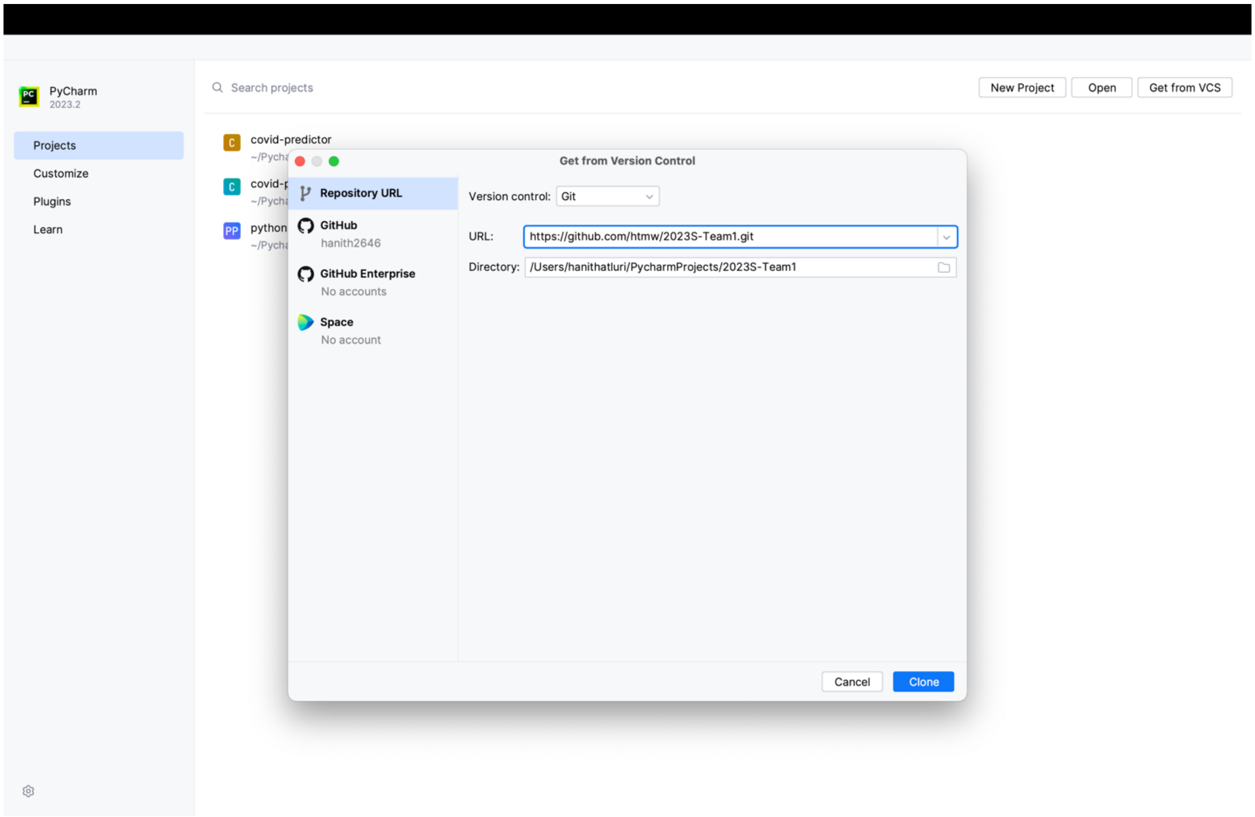
covid-predictor
~/PycharmProjects/2023S-Team4/covid-predictor

covid-predictor
~/PycharmProjects/covid-predictor

pythonProject
~/PycharmProjects/pythonProject

Next step-

Copy and paste the link in the open fromVCS and then click clone to clone the code from the github to your desired folder



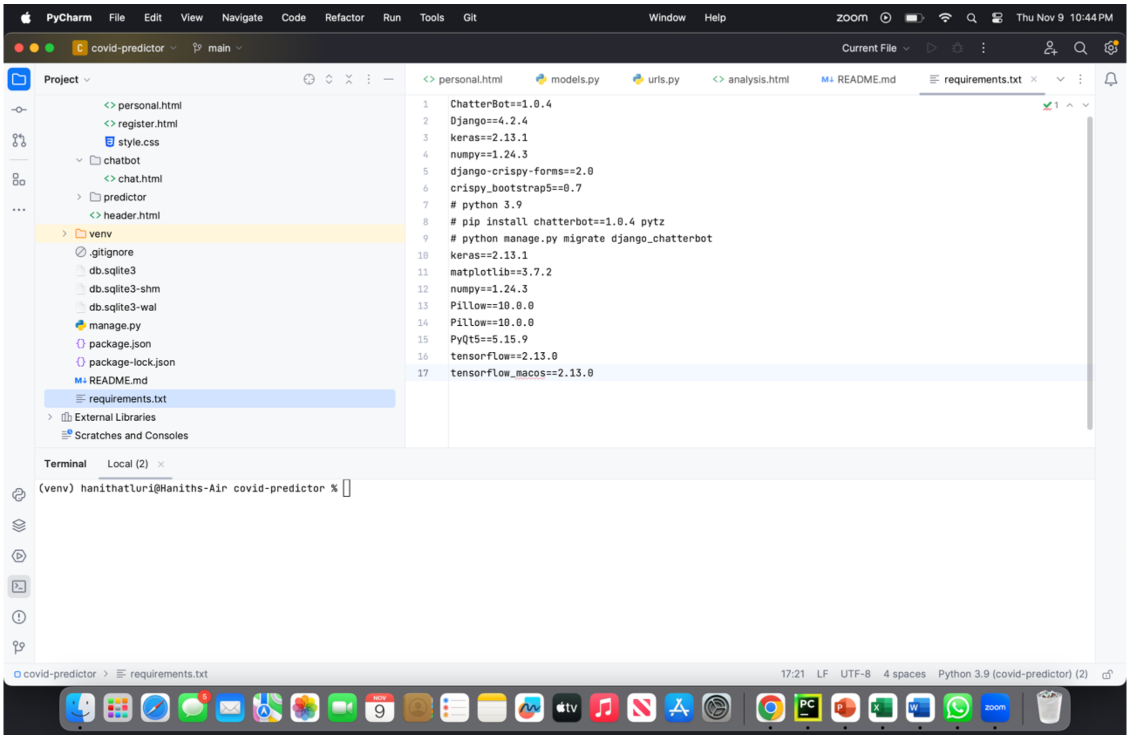
Version control: Git

URL: https://github.com/htmw/2023S-Team1.git

Directory: /Users/hanithatluri/PycharmProjects/2023S-Team1

Step 2: Install Dependencies

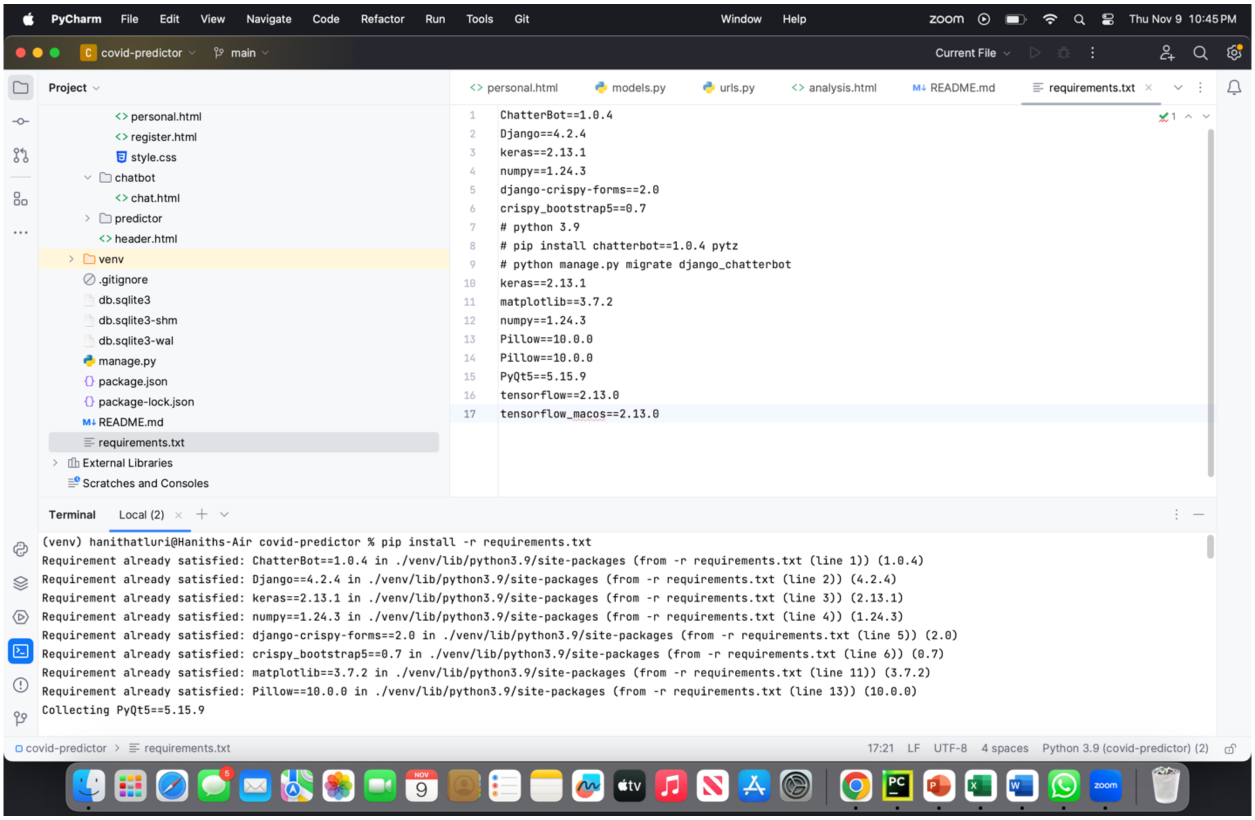
```bash
pip install -r requirements.txt
```



```
ChatterBot==1.0.4
Django==4.2.4
keras==2.13.1
numpy==1.24.3
django-crispy-forms==2.0
crispy_bootstrap5==0.7
# python 3.9
# pip install chatterbot==1.0.4 pytz
# python manage.py migrate django_chatterbot
keras==2.13.1
matplotlib==3.7.2
numpy==1.24.3
Pillow==10.0.0
Pillow==10.0.0
PyQt5==5.15.9
tensorflow==2.13.0
tensorflow_macos==2.13.0
```

```
(venv) hanithatluri@Haniths-Air covid-predictor %
```

Open terminal and then install all dependencies



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PyQt5==5.15.9
tensorflow==2.13.0
tensorflow_macos==2.13.0
```

```
(venv) hanithatluri@Haniths-Air covid-predictor % pip install -r requirements.txt
Requirement already satisfied: ChatterBot==1.0.4 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 1)) (1.0.4)
Requirement already satisfied: Django==4.2.4 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 2)) (4.2.4)
Requirement already satisfied: keras==2.13.1 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 3)) (2.13.1)
Requirement already satisfied: numpy==1.24.3 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 4)) (1.24.3)
Requirement already satisfied: django-crispy-forms==2.0 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 5)) (2.0)
Requirement already satisfied: crispy_bootstrap5==0.7 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 6)) (0.7)
Requirement already satisfied: matplotlib==3.7.2 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 11)) (3.7.2)
Requirement already satisfied: Pillow==10.0.0 in ./venv/lib/python3.9/site-packages (from -r requirements.txt (line 13)) (10.0.0)
Collecting PyQt5==5.15.9
```

Step 3: Database Migration

```bash
python manage.py migrate
```

Step 4: Static Files Collection

```bash
python manage.py collectstatic
```

Step 5: Configure Django Settings

Update your Django settings for production. Update the `DEBUG` setting to `False` and set the `ALLOWED_HOSTS` to the domain or IP address of your server.

```python
# settings.py

DEBUG = False

ALLOWED_HOSTS = ['your_domain_or_ip']
```

Step 6: Set Up a Web Server

Choose a web server to serve your Django application. Common choices include Nginx or Apache. Configure the server to serve your Django app using a WSGI server such as Gunicorn.

Step 7: Configure Database Connection

Update your database settings in the Django settings file to point to your production database. You might use PostgreSQL, MySQL, or another database supported by Django.

Step 8: Set Up ChatterBot

Configure ChatterBot by creating a ChatterBot instance and training it if necessary. Update your Django settings to use the configured ChatterBot instance.

```python
# settings.py

CHATTERBOT = {
    'name': 'YourChatterBotInstance',
    'trainer': 'chatterbot.trainers.ChatterBotCorpusTrainer',
    'training_data': [
        'chatterbot.corpus.english',
        # Add additional training data if needed
    ],
}
```

Step 9: Set Up Keras and TensorFlow

Ensure that Keras and TensorFlow are configured correctly. If using GPU, make sure GPU drivers are installed on your server.

Step 10: Configure Crispy Forms and Bootstrap

Update your Django settings to use crispy forms with Bootstrap.

```python
# settings.py

CRISPY_TEMPLATE_PACK = 'bootstrap5'
```

Step 11: Secure Your Application

Implement security measures such as HTTPS, and ensure that your server and application are properly configured.

Step 12: Test the Deployment

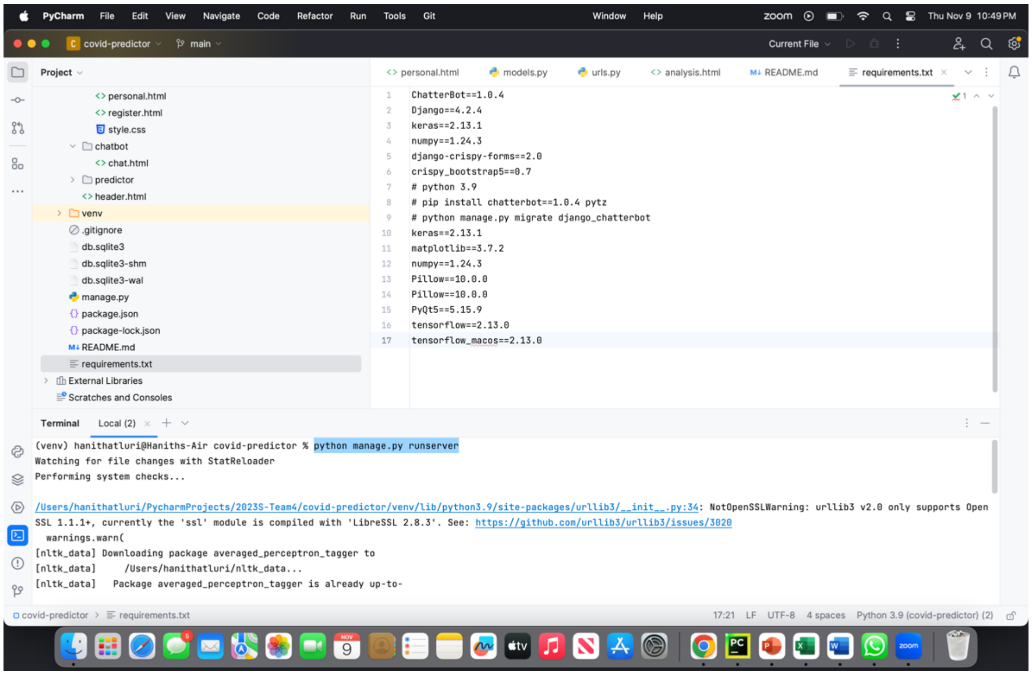
Run your web server and test your application in a production environment. Check for any errors or issues and resolve them.

Step 13: Monitoring and Maintenance

Set up monitoring tools to track the performance of your application. Implement a maintenance plan for regular updates and backups.

Step- 14: to runserver

Use this command line to run server- python manage.py runserver



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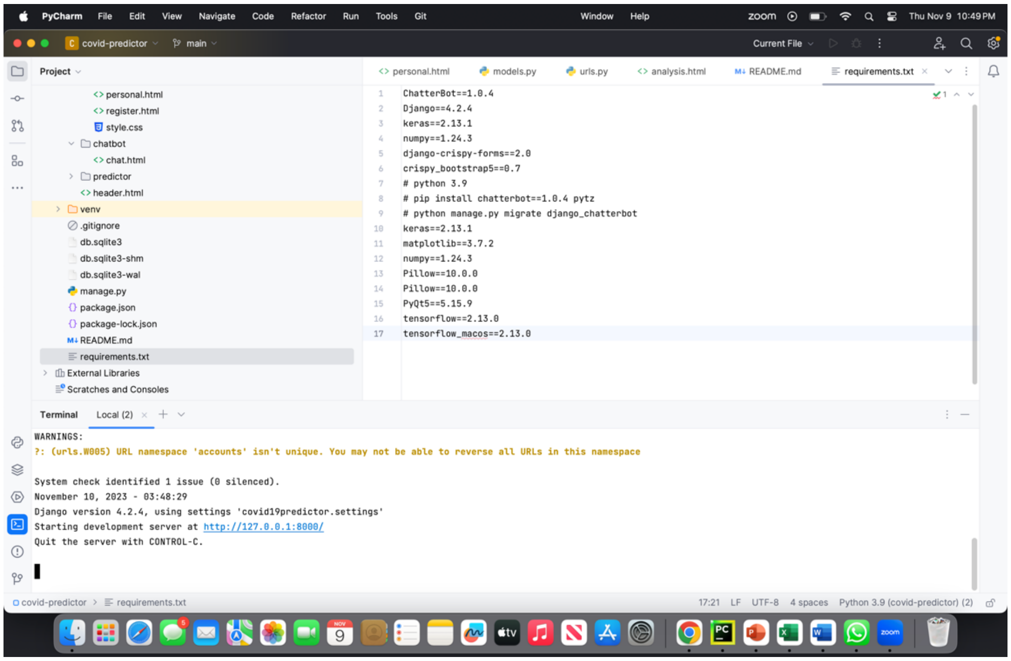
Pillow==10.0.0
PyQt5==5.15.9
tensorflow==2.13.0
tensorflow_macos==2.13.0
```

```
(venv) hanithatluri@Haniths-Air covid-predictor % python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

/Users/hanithatluri/PycharmProjects/2023S-Team4/covid-predictor/venv/lib/python3.9/site-packages/urllib3/__init__.py:34: NotOpenSSLWarning: urllib3 v2.0 only supports Open
SSL 1.1.1+, currently the 'ssl' module is compiled with 'LibreSSL 2.8.3'. See: https://github.com/urllib3/urllib3/issues/3020
  warnings.warn(
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data]     /Users/hanithatluri/nltk_data...
[nltk_data]   Package averaged_perceptron_tagger is already up-to-
```

Then application will be started in unique sever-id click on it to to redirect from the default browser



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Pillow==10.0.0
Pillow==10.0.0
PyQt5==5.15.9
tensorflow==2.13.0
tensorflow_macos==2.13.0
```
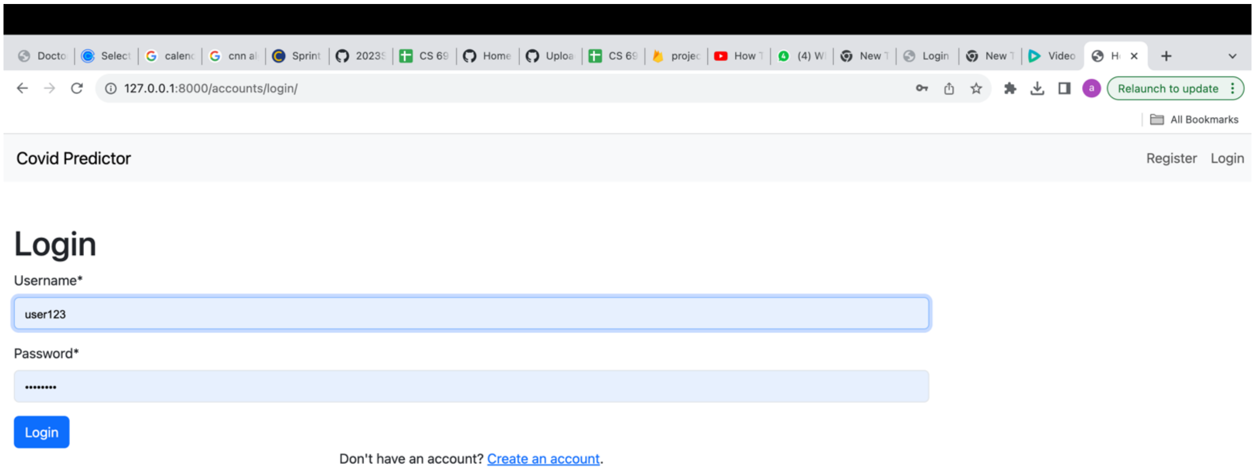

```
WARNINGS:
?: (urls.W005) URL namespace 'accounts' isn't unique. You may not be able to reverse all URLs in this namespace

System check identified 1 issue (0 silenced).
November 10, 2023 - 03:48:29
Django version 4.2.4, using settings 'covid19predictor.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
```

Finally application will be running on default browser



Login

Username*

user123

Password*

••••••••

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