

Add Static pages



Estimated time needed: 1 hour

Congratulations on your new role as the Full Stack Application Developer at Best Cars dealership.

As part of the project, your first task is to run and test its main Django application. You are given a skeleton of the Django application as a starting point.


Then, you need to complete the following steps to add additional static pages.

The lab environment doesn't store your changes. If you are going to leave your workspace in between, it is highly recommended that you push any changes you make to git.




► [Click here](#) for the procedure to push your changes into Git repo

Fork and Clone the repository


1. Navigate to this link: [link](#) and create a fork of the repository that includes essential starter code required for this project.
2. Go to your forked repository.
3. Copy the git clone URL of the skeleton repository that you forked into your account.





 **xrwm-fullstack_developer_capstone** Public

forked from [ibm-developer-skills-network/xrwm-fullstack_developer_capstone](#) ← Mak rep

 **main**  **1 branch**  **0 tags**

This branch is up to date with ibm-developer-skills-network/xrwm-fullstack_developer_capstone:main.

 **lavskillup** Added initial files

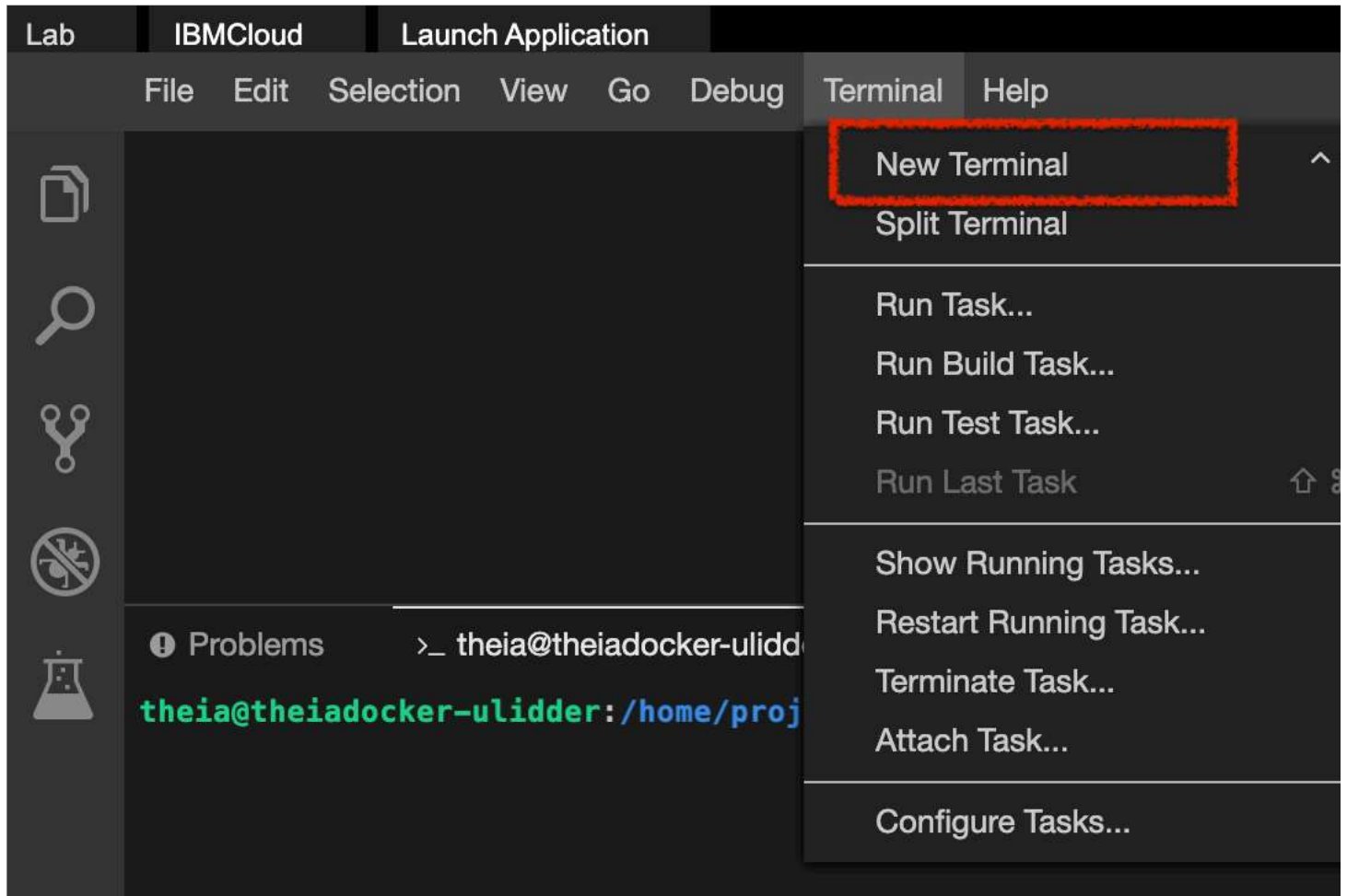
 server	Added initial files
 .gitignore	Initial commit
 LICENSE	Initial commit
 README.md	Initial commit

README.md

coding-project-template

Make sure you copy your repository by checking the URL in the address bar.

4. Open a new terminal.



5. Clone the URL you copied in step 3.

1. 1

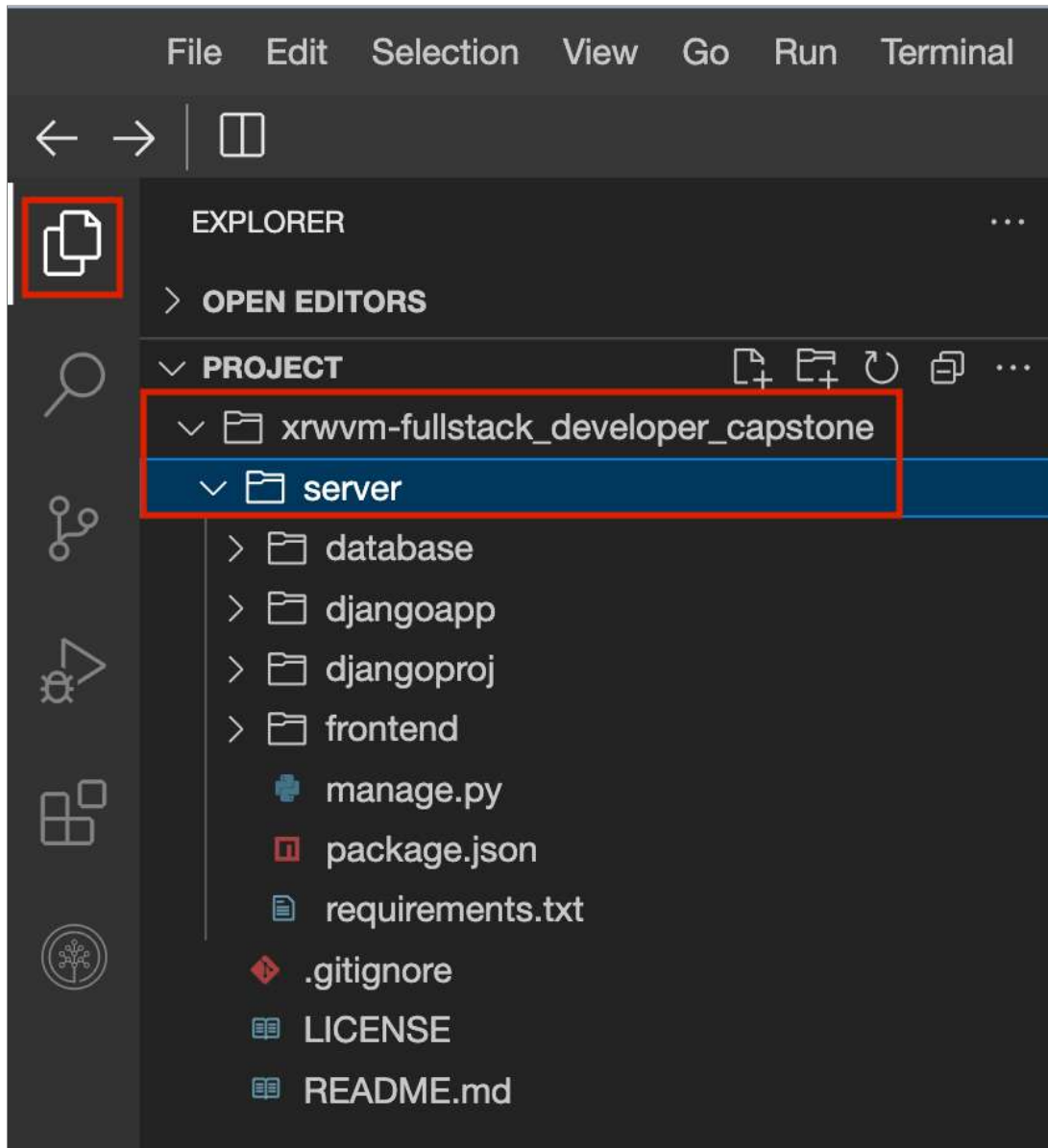
1. `git clone <your_repo_name>`

Copied!

Run the Django app on development server

1. Observe the folder structure of the Django app skeleton structure. You will see `server` folder with three sub-folders:

- `djangoapp`: Contains the django application
- `djangoappproj`: Contains the project configuration
- `frontend`: HTML and CSS and React front end



Next, let's setup the Python runtime in Theia and test the app.

2. Change to the server directory in the terminal.

1. 1

1. `cd xrwvm-fullstack_developer_capstone/server`

Copied!

3. Set up virtual environment for your Django application to run in.

1. 1

2. 2

3. 3

1. `pip install virtualenv`
2. `virtualenv djangoenv`
3. `source djangoenv/bin/activate`

Copied!

Executed!

4. Install the necessary Python packages in your virtual environment. The package names have already been provided in requirements.txt.

1. 1

1. `python3 -m pip install -U -r requirements.txt`

Copied!

5. In server/djangoproj/settings.py, under TEMPLATES, you will find DIRS as an empty list. Add the `os.path.join(BASE_DIR, 'frontend/static')` to the list for the Django application to recognize the front-end static files. It should be set up as below.

```

1. 1
2. 2
3. 3

1. 'DIRS': [
2.     os.path.join(BASE_DIR, 'frontend/static')
3. ],

```

Copied!

6. In the same file, `server/djangoproj/settings.py`, add the directory for the Django application to look for static files at the bottom of the file.

```

1. 1
2. 2
3. 3

1. STATICFILES_DIRS = [
2.     os.path.join(BASE_DIR, 'frontend/static')
3. ]

```

Copied!

7. Perform migrations to create necessary tables.

```

1. 1

1. python3 manage.py makemigrations

```

Copied!

8. Run migration to activate models for the app.

```

1. 1

1. python3 manage.py migrate

```

Copied!

9. Start the local development server.

```

1. 1

1. python3 manage.py runserver

```

Copied!

Great! You should have the Django app running now.

10. Please take a screenshot of the console or terminal output to show that your app is running successfully, and store it as `django_server.png` or `django_server.jpg` for peer review.



```

AppDevelopment_Capstone/server$ python3 manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
November 14, 2020 10:11:22
Django V 2.7.1 using settings 'django... settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

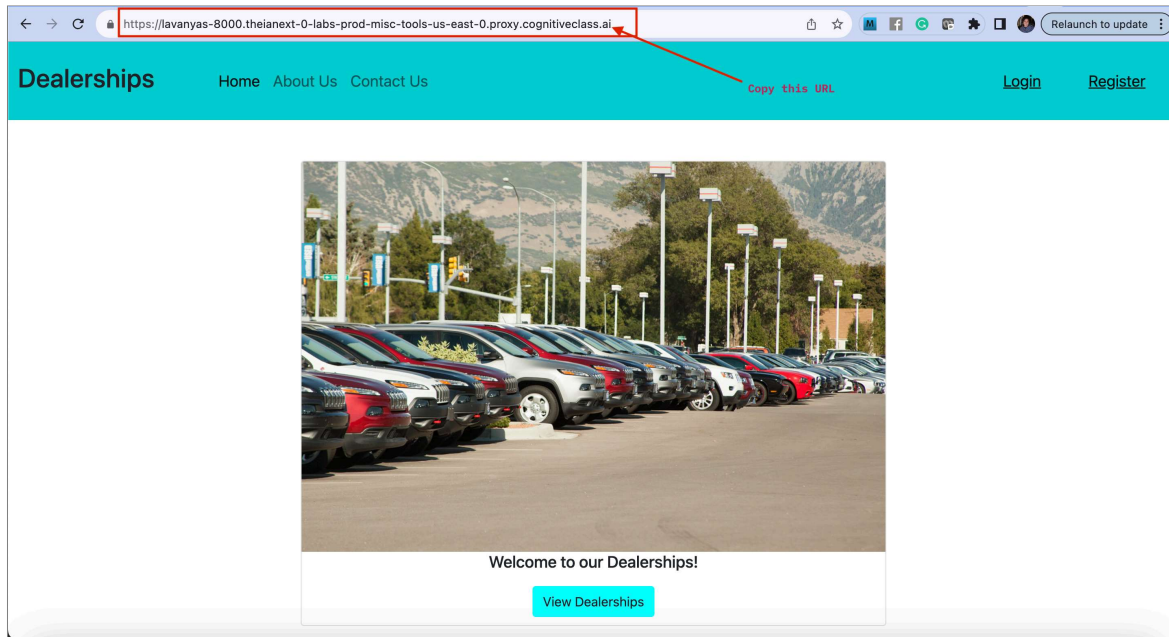
```

11. Click the Django Application button below to open the application. You will see the static homepage that is rendered. Copy the URL from the browser.

The links in the page will not work as yet.

Django Application

► If the page doesn't open, click [here](#) to open the URL manually.



10. On the file editor, open the server/djangoproj/settings.py in the editor and set the ALLOWED_HOSTS and CSRF_TRUSTED_ORIGINS to reflect your Django app's root URL.

Please do not included the / at the end.

1. 1
 2. 2
1. ALLOWED_HOSTS=['localhost', '<your application URL here>']
 2. CSRF_TRUSTED_ORIGINS=['<your application URL here>']

Copied!

```
ALLOWED_HOSTS = ['localhost',
'https://-8000.theianext-1-labs-prod-misc-tools-us-east-0.proxy.cognitiveclass.ai']

CSRF_TRUSTED_ORIGINS = ['https://-8000.theianext-1-labs-prod-misc-tools-us-east-0.proxy.cognitiveclass.ai']
```

Add 'About Us' page

1. Open server/frontend/static/About.html in the editor.
2. You have been provided with the stylesheet style.css in the same folder. In the <head> tag inside About.html link the stylesheet for use in the HTML file.

1. 1
 2. 2
1. <link rel="stylesheet" href="/static/style.css">
 2. <link rel="stylesheet" href="/static/bootstrap.min.css">

Copied!

3. Paste the following content in the <div> tag named about-header.

1. 1
 2. 2
1. <h1>About Us</h1>
 2. Welcome to Best Cars dealership, home to the best cars in North America. We deal in sale of domestic and imported cars at reasonable prices.

Copied!

You can add additional information that might be relevant to this page.

4. Change the image person.png to an actual person's image and change all the text in About.html to look more realistic. Change the styling as per your preference.
5. Go to djangoproj/urls.py and add the following to the urlpatterns.

1. 1
1. path('about/', TemplateView.as_view(template_name="About.html")),

Copied!

6. The Django server automatically restarts. Click on the button below and check if the changes are reflected.

Dealership Application



https://lavanyas-8000.theianext-1-labs-prod-misc-tools-us-

Dealerships

[Home](#) [About Us](#) [Contact Us](#)

Welcome to Best Cars dealership, home to the



Person1

Person1 Title

Some text that explains the

some text that explains the
person1 in about 2 short
sentences

7. Take a screenshot of the page and store it as `about_us.png` or `about_us.jpg`. Ensure that the URL in the address bar is visible in the screenshot.

Add 'Contact Us' page

1. Under `server/frontend/static` folder, add a new file named `Contact.html`.
2. Add the style sheets link.
3. Add the header navigation bar, with `Contact Us` as the active link.
4. Write the contact information content in the file. You can be creative and make up your information. Use `css` to style it.
5. Add the `contact` path to `djangoproj/urls.py`.

1. 1

```
1. path('contact/', TemplateView.as_view(template_name="Contact.html")),
```

Copied!

6. The Django server automatically restarts. Click on the button below and check if the `contact` page renders.

Dealership Application

7. Take a screenshot of the page and store it as `contact_us.png` or `contact_us.jpg`. Ensure that the URL in the address bar is visible in the screenshot.



https://lavanyas-8000.theianext-1-labs-prod-misc-tools-us-e

Dealerships

[Home](#) [About Us](#) [Contact Us](#)





Submission

Please note down the URLs of your GitHub repo and take screenshots of the static pages for peer reviews.

Summary

In this lab, you prepared your GitHub repository and cloned an app skeleton to start building the dealer review app. As a warm-up task, you have created several static pages and tested the app. Please push the changes you made into your GitHub repository.

Now, you are ready to start some actual design and development work.

Author(s)

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