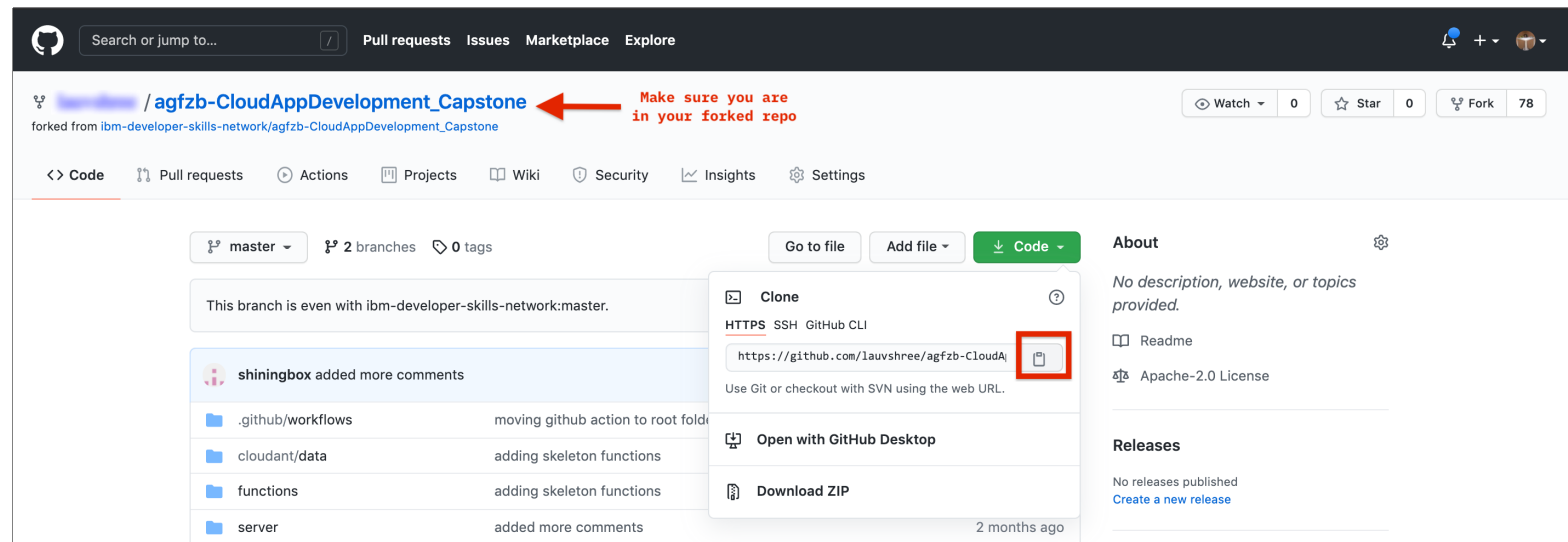# Add static pages

Estimated time needed: 1 hour

Congratulations on your new role as the Lead Cloud 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 Django application as a starting point. Then you need to complete the following steps to add additional static pages.
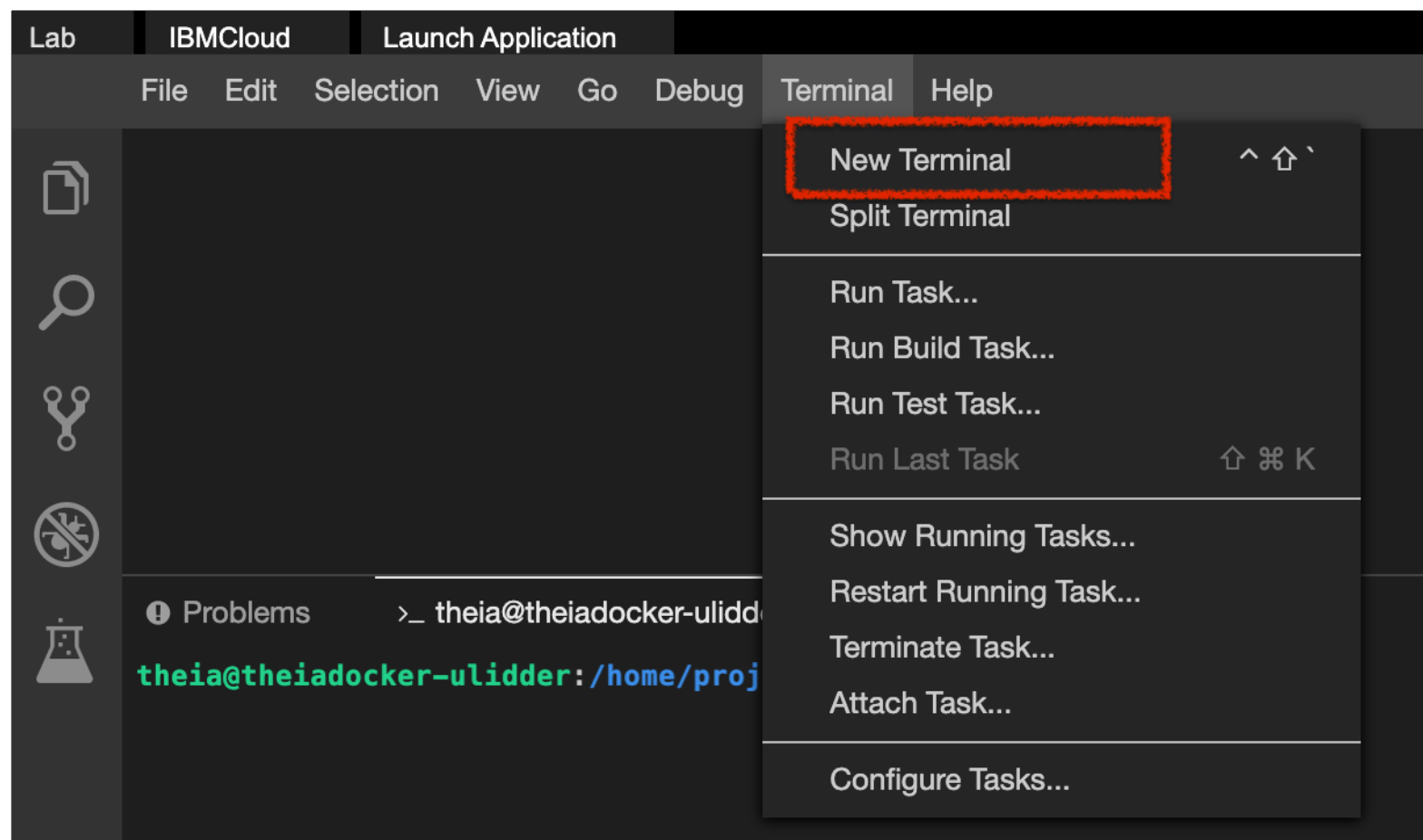
▶ Click here for an important Note

Part - 1 : Clone the repository

1. Copy the git clone URL of the skeleton repository that you forked into your account.

2. Open a new terminal.

3. Clone the URL you copied in step 1, in the local theia environment.

   1. 1
   1. git clone <your_repo_name>

Part - 2 Run the Django app on development server

1. Observe the folder structure of the Django app skeleton structure. You will see `server` folder with an app called `djangoapp`.

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

2. Change to the `server` directory.

   ```
   1. 1
   1. cd agfzb-CloudAppDevelopment_Capstone/server
   ```
   Copied!

3. Install the necessary Python packages.

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

4. Perform migrations to create necessary tables.

   ```
   1. 1
   1. python3 manage.py makemigrations
   ```
   Copied!

5. Run migration to activate models for the app.

   ```
   1. 1
   1. python3 manage.py migrate
   ```
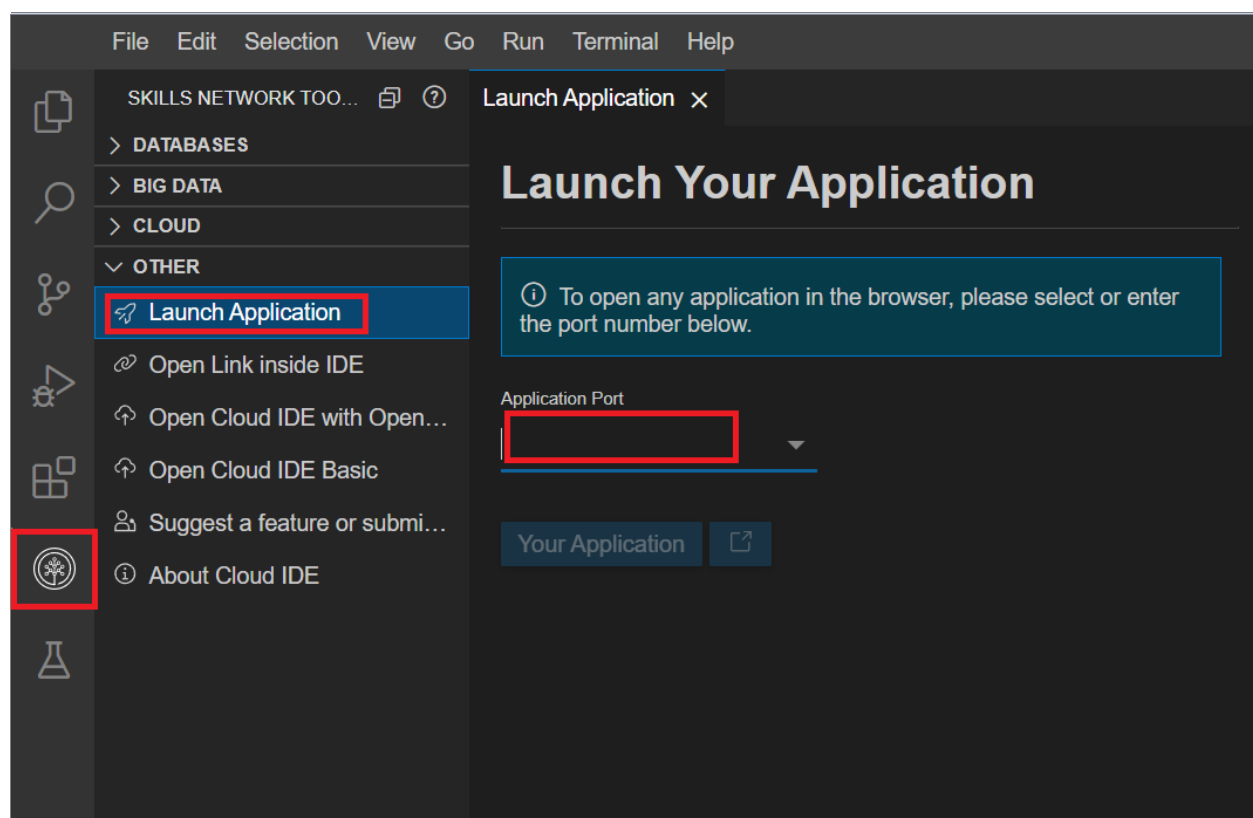   Copied!

6. Start the local development server.

   ```
   1. 1
   1. python3 manage.py runserver
   ```
   Copied!

7. Click on the Skills Network button on the right, it will open the "Skills Network Toolbox". Then click `OTHER` then `Launch Application`. From there you should be able to enter the port as `8000` and launch the development server.

8. When the browser tab opens, add the **/djangoapp** path. Your full URL should look like the following:

   ```
   https://userid-8000.theiadocker-1.proxy.cognitiveclass.ai/djangoapp
   ```

   Note that `userid` in the URL is a placeholder. You will need to replace it with your actual Theia id.

Great! You should have the Django app running now. Next, you will add some static pages to your application.

Take a screenshot for peer-review:

After your Django server is running successfully, please take a screenshot of the console/terminal output and name it as `django_server.jpg` or `django_server.png` for peer-review.

3. Add static pages

Let's begin by creating a Bootstrap navigation bar to the index page.

> More details about adding Bootstrap navigation bar can be found in this lab:[Bootstrap Integration](#)

1. Open `./server/djangoapp/templates/djangoapp/index.html` from the explorer. Add a navigation bar `<nav>` to the HTML template.

2. Create a static Django template under the `templates` folder.

3. Create a simple Django view with `render()` method to render the static Django template in views.py.

4. Configure the Django view route in `urls.py` under the folder `djangoapp`.

> More details about other ways of creating views and templates can be found in this [lab](#)

Add `About Us` page

1. Open `./server/djangoapp/templates/djangoapp/` folder and add an `about.html` for an `About Us` page.

2. Add the `About Us` page to the application. Users should be able to get to this page by visiting a URL such as `.../djangoapp/about`.

The page should include the following paragraph. You may style the page as you wish.

```
1. 1
2. 2
3. 3
4. 4
5. 5

1. <html>
2. <h1>
3. Welcome to Best Cars dealership, home to the best cars in North America. We sell domestic and imported cars at reasonable prices.
4. </h1>
5. </html>
```

Copied!

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

Users should be able to access the About Us page from a home link in `<nav>`, a button, a menu link, or any other element you choose to use.

Take a screenshot for peer-review:

After you have created the `About Us` page, please take a screenshot and name it as `about_us.jpg` or `about_us.png` for peer-review.

Add `Contact Us` page

1. Similarly, add the `Contact Us` page to the application. Users should able to get to this page by visiting a URL such as `.../djangoapp/contact`. The page should include the address and the telephone number of the company.

2. Users should be able to access the Contact Us page from a footer, a button, a menu link, or any other element you choose to use.

Take a screenshot for peer-review:

After you have created the `Contact Us` page, please take a screenshot and name it as `contact_us.jpg` or `contact_us.png` for peer-review.

Test the static pages

- Test the static pages you have created in Cloud IDE by launching the application with the development server on port `8000` as done earlier.

1. Go to `https://userid-8000.theiadocker-1.proxy.cognitiveclass.ai/djangoapp/about` to test your About Us page.
2. Go to `https://userid-8000.theiadocker-1.proxy.cognitiveclass.ai/djangoapp/contact` to test your Contact Us page.

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, tested the app.

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

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Changelog

Date	Version	Changed by	Change Description
2023-05-11	1.8	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	1.7	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	1.6	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-04	1.5	Benny Li	Republished
2022-09-20	1.4	K Sundararajan	Updated pip (packages installation) command
2022-09-12	1.3	Lavanya Rajalingam	Updated instructions & images
2022-09-01	1.2	K Sundararajan	Updated `Launch Application` instructions as per the new Theia IDE
2021-05-26	1.1	Lavanya	Made changes to the instructions and included images
2021-01-28	1.0	Upkar Lidder	Created new instructions for Capstone project