

ENCOMPASS



**PERFECT
STRANGERS**



value through innovation

Name	Student Number
JULIANNA VENTER	U20433752
MORGAN BENTLEY	U18103007
RONIN BROOKES	U19069686
SAMEET KESHAV	U21479373

Technical Installation Manual

1. Introduction

As Encompass is a web application, accessing the site is simply through the URL:

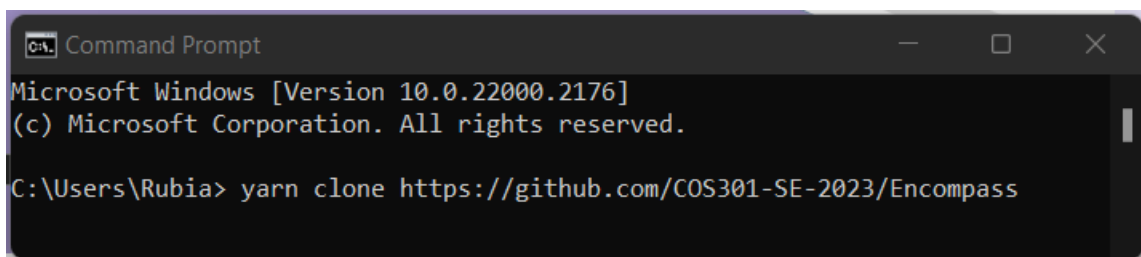
<https://encompass-hosting.onrender.com>

This installation **manual** provides step-by-step instructions for setting up a Yarn environment to run a specific application and API. Ensure you have the necessary prerequisites installed before proceeding. This guide assumes you have basic knowledge of working with Node.js and Yarn.

The frameworks you will need to install in order for the application to run on your device are: Angular, NestJS, Node, and MongoDBCompass.

2. The Steps

- Clone the Repository:
 - Open your preferred terminal or command prompt.
 - Change your current working directory to the location where you want to clone the repository.
 - Execute the following Yarn command to clone the repository:



```
Command Prompt
Microsoft Windows [Version 10.0.22000.2176]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rubia> yarn clone https://github.com/COS301-SE-2023/Encompass
```

The link: <https://github.com/COS301-SE-2023/Encompass>

- Setup a MongoDB:

- Install MongoDB on your system following the instructions for your operating system.
- Once installed, ensure the MongoDB service is running.

➤ Setu. env File:

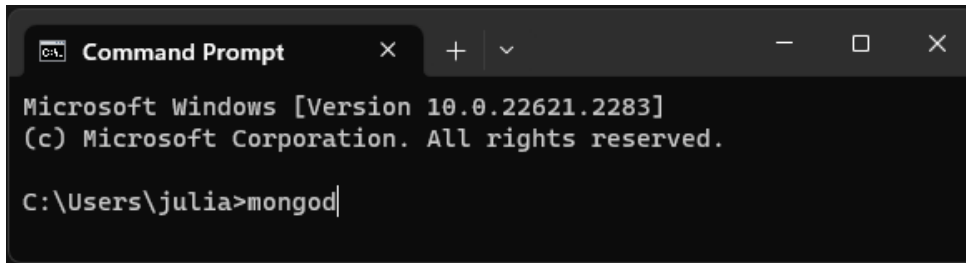
- Navigate to the root directory of the cloned repository using the terminal.
- Create a new file named `.env` using any text editor (e.g., VSCode, Notepad, etc.).
- Add the necessary environment variables to this file. These variables might include database connection strings, API keys, and other configurations specific to your application. For example:

```
NX_ENVIRONMENT=development
NX_MONGO_DB_URL=mongodb://127.0.0.1:27017/encompass-database
AWS_BUCKET_NAME=example-images
AWS_BUCKET_REGION=eu-west-1
AWS_ACCESS_KEY_ID=example-key
AWS_SECRET_KEY=example-key
BASE_URL=http://localhost:3000
OPENAI_API_KEY=example-key
```

Note that you have to create your own amazon variable values for images to work on the application, where “example” is used above.

Firstly, if your are starting the application in Windows, make sure you are using the Command Prompt terminal. If you are on IOS, use the default terminal.
Here are the commands to enter in order to start the application.

- Starting MongoDB for the application:

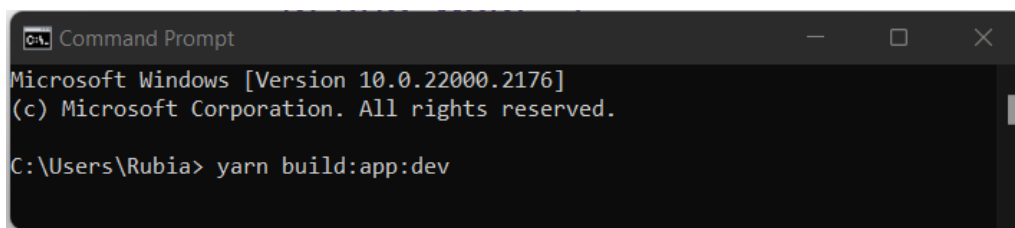


```
Microsoft Windows [Version 10.0.22621.2283]
(c) Microsoft Corporation. All rights reserved.

C:\Users\julia>mongod
```

- Build the Application and API:

- Run the following Yarn command in the terminal to build the application:

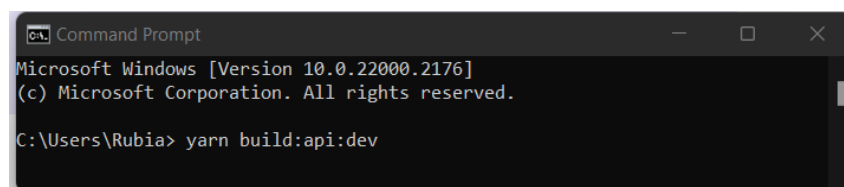


```
Microsoft Windows [Version 10.0.22000.2176]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rubia> yarn build:app:dev
```

This will compile and bundle the front-end application for development.

- Next, execute the following Yarn command to build the API:



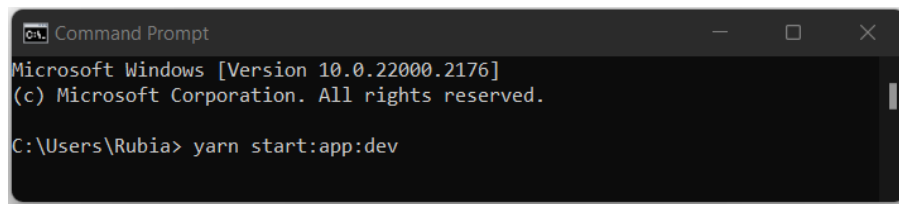
```
Microsoft Windows [Version 10.0.22000.2176]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rubia> yarn build:api:dev
```

This will compile and bundle the API code for development.

- Start the Application and API:

- To run the application, use the following Yarn command:

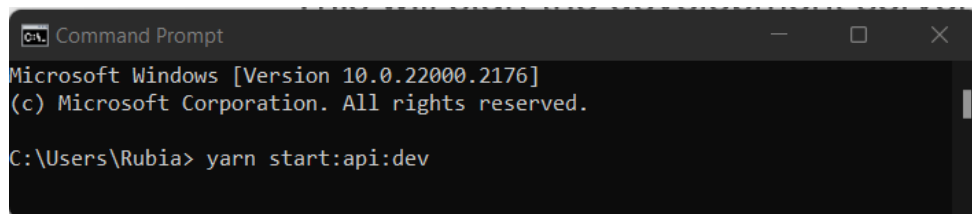


```
Command Prompt
Microsoft Windows [Version 10.0.22000.2176]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rubia> yarn start:app:dev
```

This will start the development server for the front-end application.

- To start the API, use the following Yarn command:



```
Command Prompt
Microsoft Windows [Version 10.0.22000.2176]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rubia> yarn start:api:dev
```

This will launch the development server for the API.

Ensure that you keep the terminal windows running for both the application and API servers to keep them operational.

3. Closing

Congratulations! You have successfully set up the Yarn environment and launched the application and API for development. You can now access the application by visiting the specified localhost address (localhost:4200) in your web browser.

If you encounter any issues, refer to the error messages in the terminal for debugging or consult the project's documentation for troubleshooting tips.

