Technical Installation Manual

Debuggers Anonymous

Contents

Introduction

This document is to help the user understand how to download and install Blue Skies onto their machine. This manual will include steps to install all prerequisites for the project, as well as to download, set up and deploy the project itself. This manual has steps to download and install Blue Skies on windows, macOS and Linux.

Our system uses Blazor for the front end and NodeJS and .NET for the backend. Our system also uses an Azure SQL database. We use Yarn to run our program.

Prerequisites

Node.js

Download [Node.js](#) and install it to your OS using the default settings.

.NET

Download the [.NET](#) sdk and install it to your OS using the default settings.

Python

Download python and install it to your OS using the default settings.
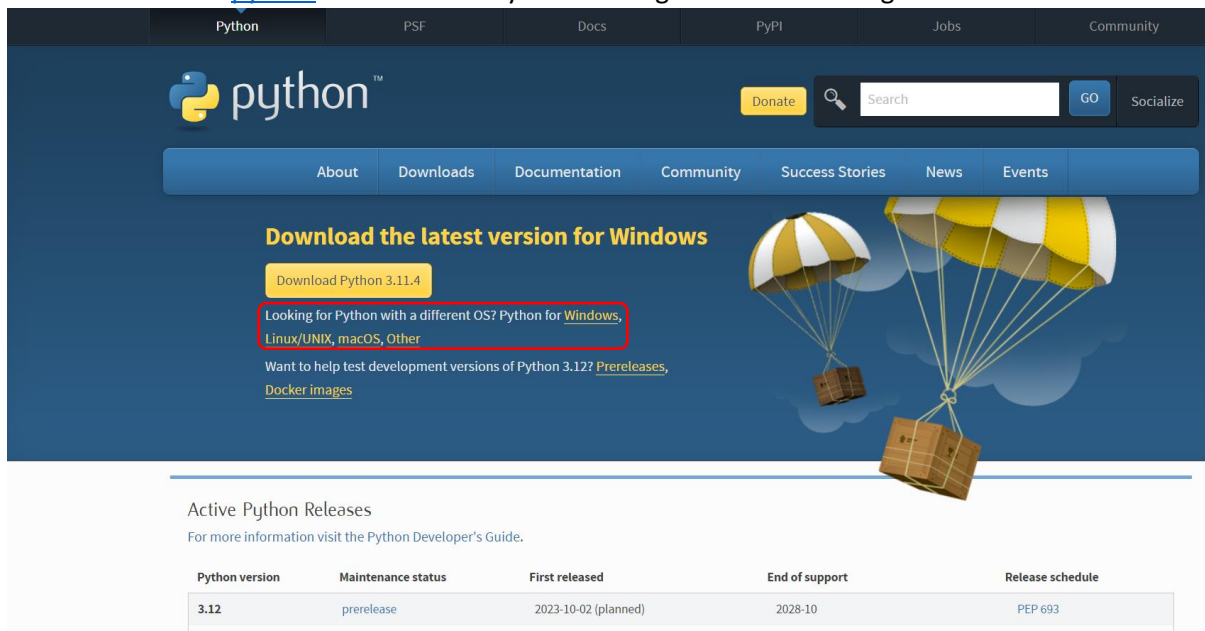
Yarn

Windows

1. Open the command prompt by pressing Windows logo key + r '⊞ + R' to open the "run program or file" window.
2. This should open a panel that looks like this. Enter '*cmd*' in the text box and click on 'Ok'
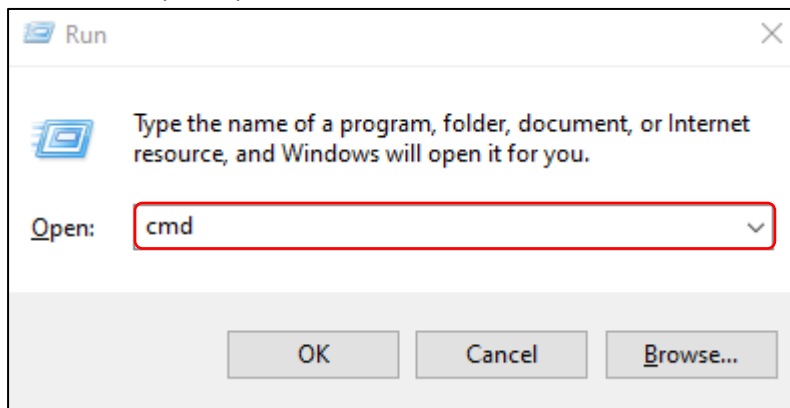
3. Download yarn by running the command '*npm install –global yarn*'

```
>npm install --global yarn
```

Ubuntu

1. Press '*ctrl+alt+T*' to open a terminal
2. Enter '*cd path/to/Blue-Skies-main/src*'

```
$ cd Downloads/Blue-Skies-main/src/
```

3. Enter the command '*sudo apt-get install yarn*' to install yarn

```
/Blue-Skies-main/src$ sudo apt-get install yarn
```

MacOS

1. Press cmd + space (cmd + ' ') And search for terminal
2. Change the directory to Blue-Skies-main/src by entering the command '*cd path/to/Blue-Skies-main/src'.*
3. Run the command '*yarn*' in this directory to install yarn

Installation

1. Go to [Blue Skies](#) on GitHub.

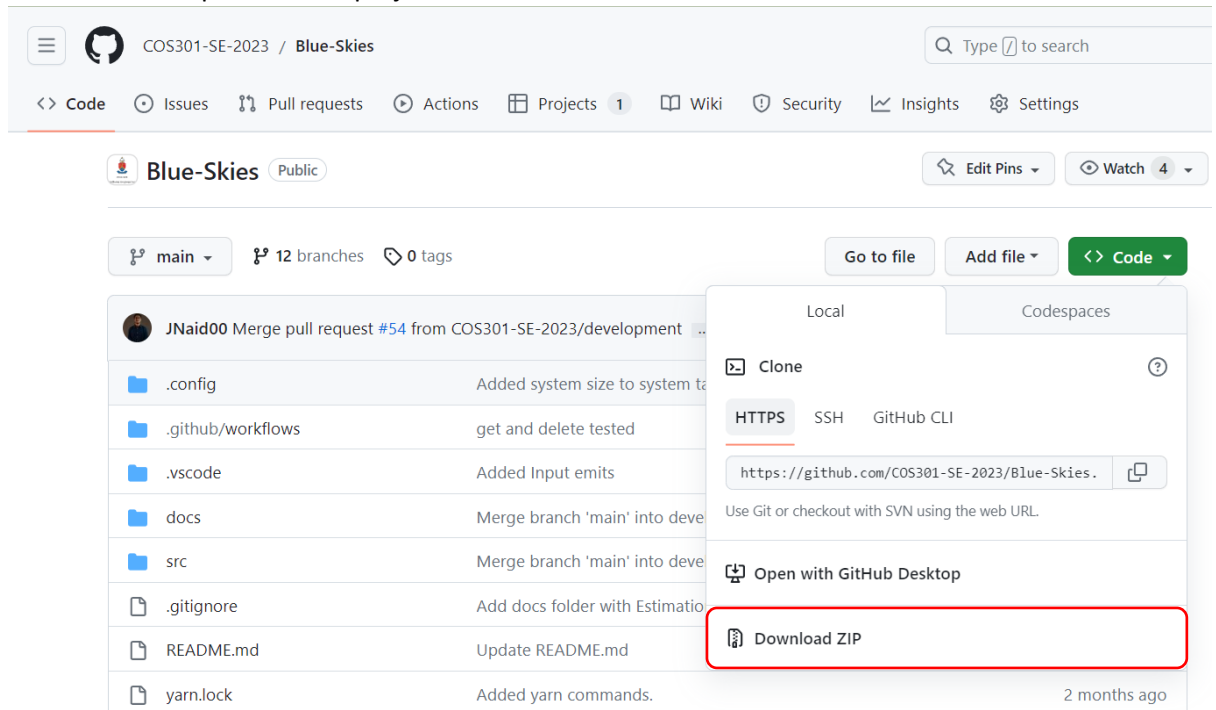2. Make sure you are on the main branch.

3. Click on the code button.

4. Download the zip file for the project

5. Right click and extract the project to where you want to save it.
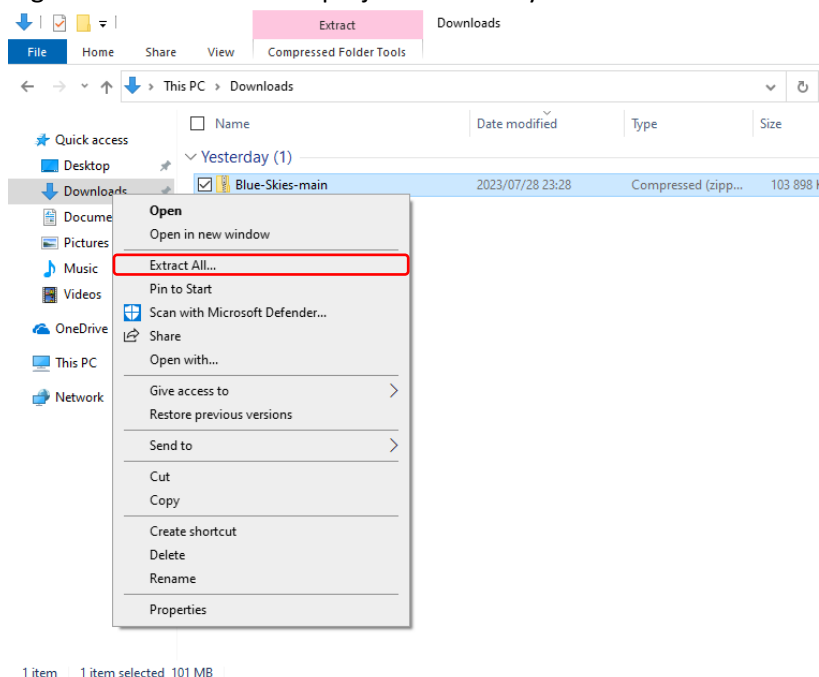
6. The next steps will show what to do after the project has been extracted.

.ENV file

7. You will need to add a .env file to the src directory of the project.
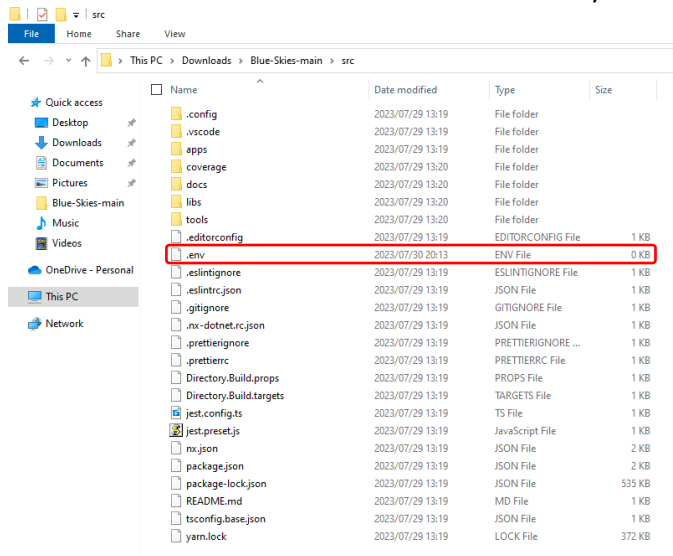
8. Fill in the .env file which has the following credentials:

```
AZURE_SQL_SERVER= {1}
AZURE_SQL_USER= {2}
AZURE_SQL_PASSWORD= {3}
AZURE_SQL_DB= {4}
TYPE=service_account
PRIVATE_KEY= {5}
CLIENT_EMAIL= {6}
PROJECT_ID= {7}
PRIVATE_KEY_ID= {8}
CLIENT_ID= {9}
AUTH_URI= {10}
TOKEN_URI= {11}
AUTH_PROVIDER_X509_CERT_URL= {12}
CLIENT_X509_CERT_URL= {13}
UNIVERSE_DOMAIN=googleapis.com
MAP_BOX_API_KEY= {14}
API_PORT= http://localhost:5096
GOOGLE_API_KEY= {15}
```

9. You can find links to get all these credentials from the following table:

{1}-{4}	Azure	Go to Azure, create an account and database. Fill in the credentials with the necessary information afterwards
{5}-{13}	Google Earth Engine	Go to Google Earth Engine, create an account and fill in the credentials in the .env file
{14}-{15}	Google Maps	Go to Google Maps Platforms and create an API key

10. Open a new console and run the command:
    '*cd path/to/Blue-Skies-main/src*'
    And then run:
    '*npm install*' to install all dependencies to the project.
11. In the same console, run the command 'yarn install'.

Deployment/Running

1. Open 4 new terminals/command prompts and enter the command 'cd path/to/Blue-Skies-main/src' in each of them.
2. In each of the consoles, run the commands:
   a. *'yarn start:express,*
   b. *'yarn start:api',*
   c. *'yarn start:app',*
   d. *'yarn start:tailwind'*

These commands will then run the project on your machine.