

Work Instructions

SSW

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1. Introduction

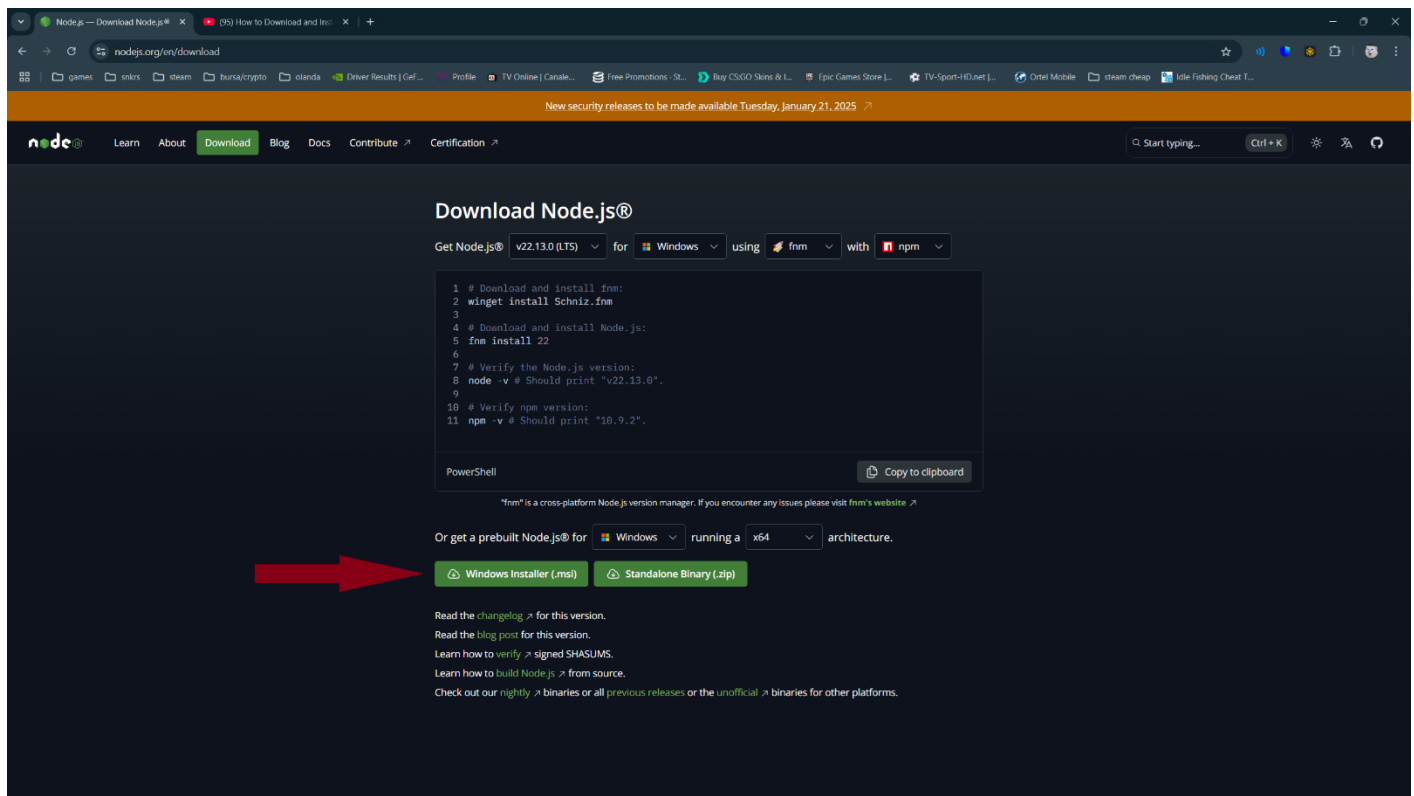
This document provides detailed work instructions for setting up and running the SSW project as part of the coursework at NHL Stenden University of Applied Sciences. The instructions cover all the essential steps required to install the necessary tools, such as Visual Studio Code and Node.js, download the project files, and execute both the Admin Panel and Game App components of the project.

The instructions are structured to be clear and accessible, with step-by-step processes supported by visual aids, links to resources, and practical tips to address common issues. By following this guide, users will be able to set up the project environment and begin working on the SSW project seamlessly.

2.Install the necessary tools.

- How to install Visual Studio Code:
 - ✓ To install Visual Studio Code follow the YouTube link:
https://www.youtube.com/watch?v=cu_ykIfBprI
 - ✓ Also, the link for VS Code:
<https://code.visualstudio.com/Download>
- How to install Node.js
 - ✓ To install Node.js follow the YouTube link:
<https://www.youtube.com/watch?v=4FAtFwKVhn0>
 - ✓ Also, the link for Node.js:
<https://nodejs.org/en/download>

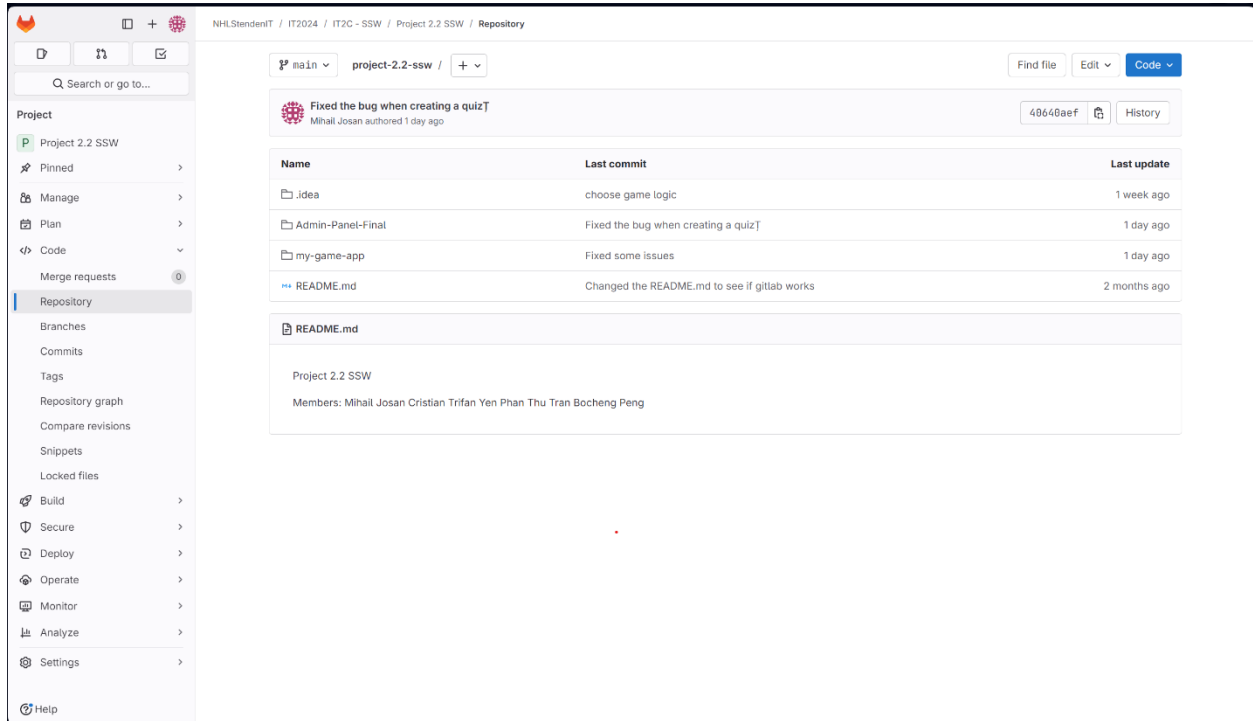
For a better understanding, you can find in the picture below where you can press to download Node JS. Don't forget to get the last LTS Version.



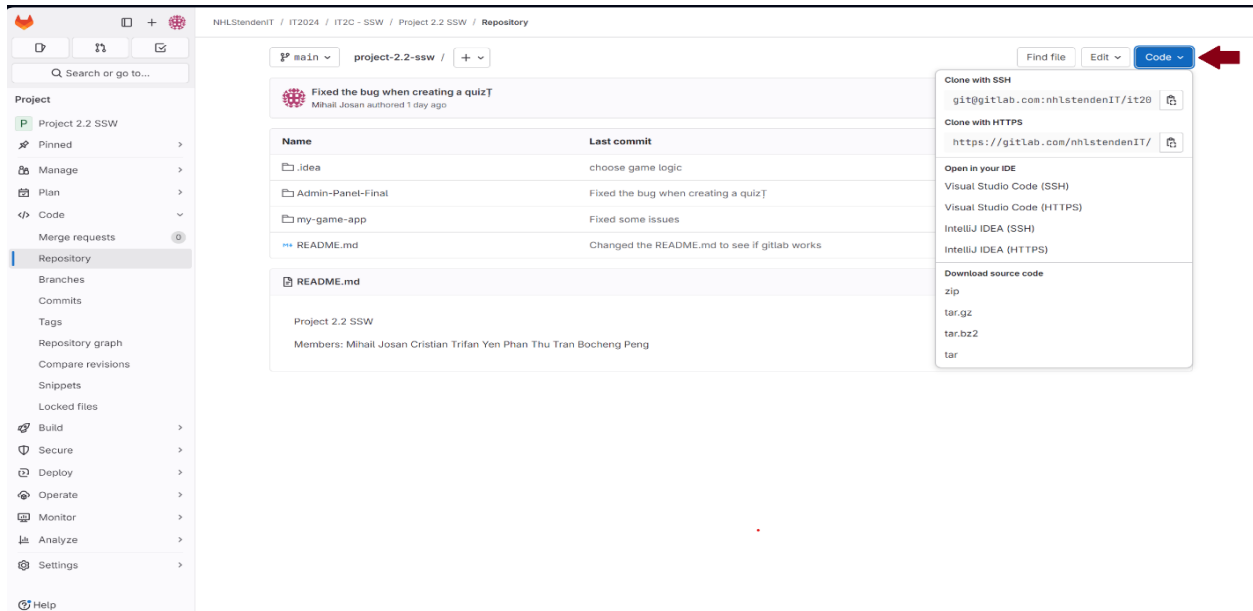
3.How to download the project

1. We access the link : https://gitlab.com/nhlstendenIT/it2024/it2c-ssw/project-2.2-ssw/-/tree/main?ref_type=heads

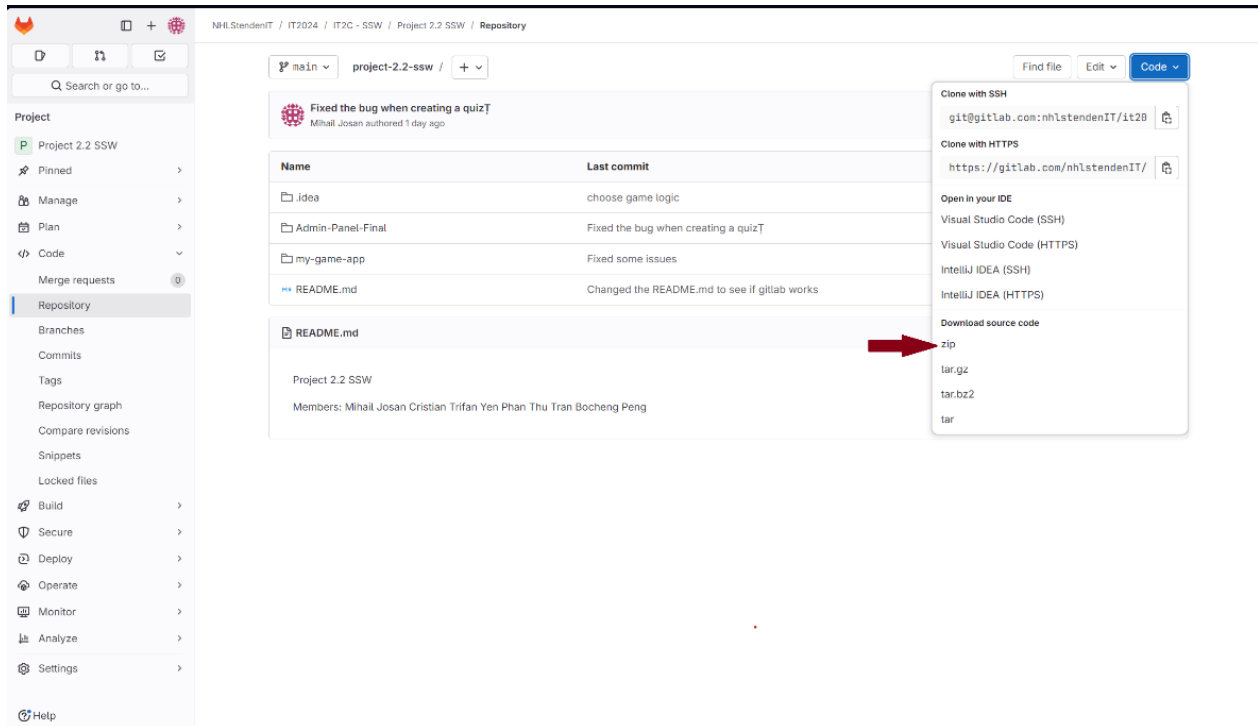
After we access the link this screen you should see:



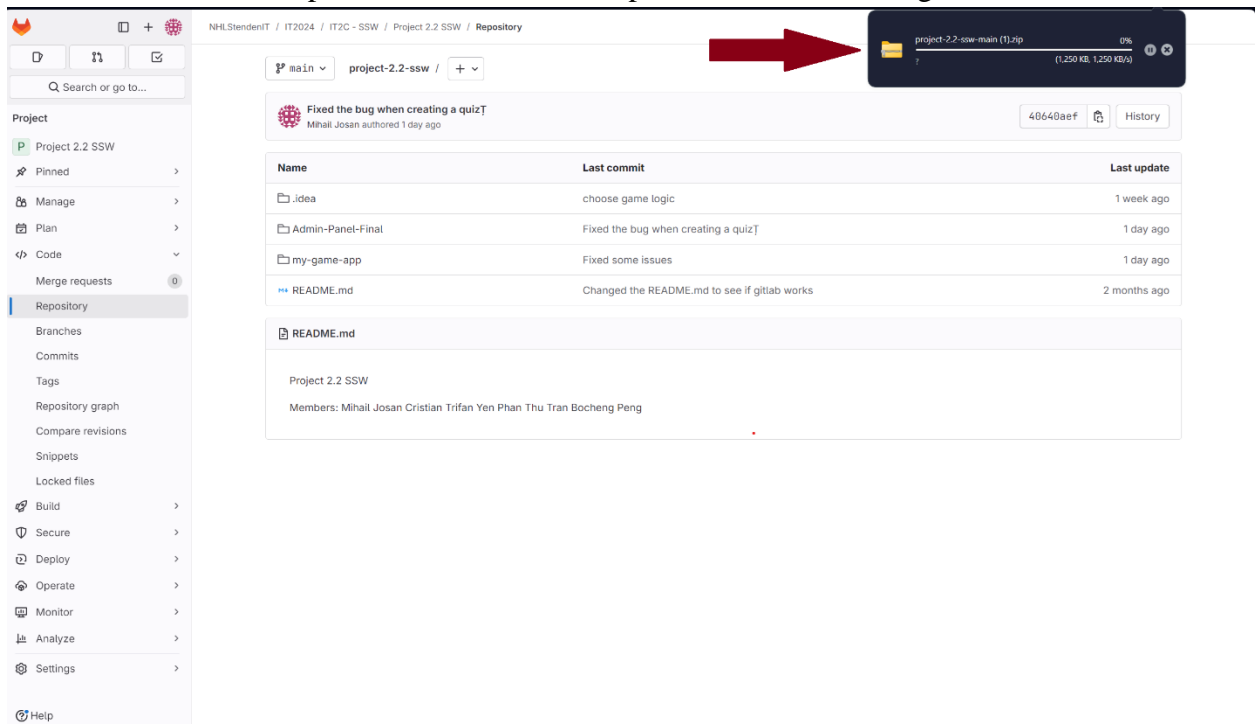
Next step is to click on the blue button that is named CODE, you should get this screen:



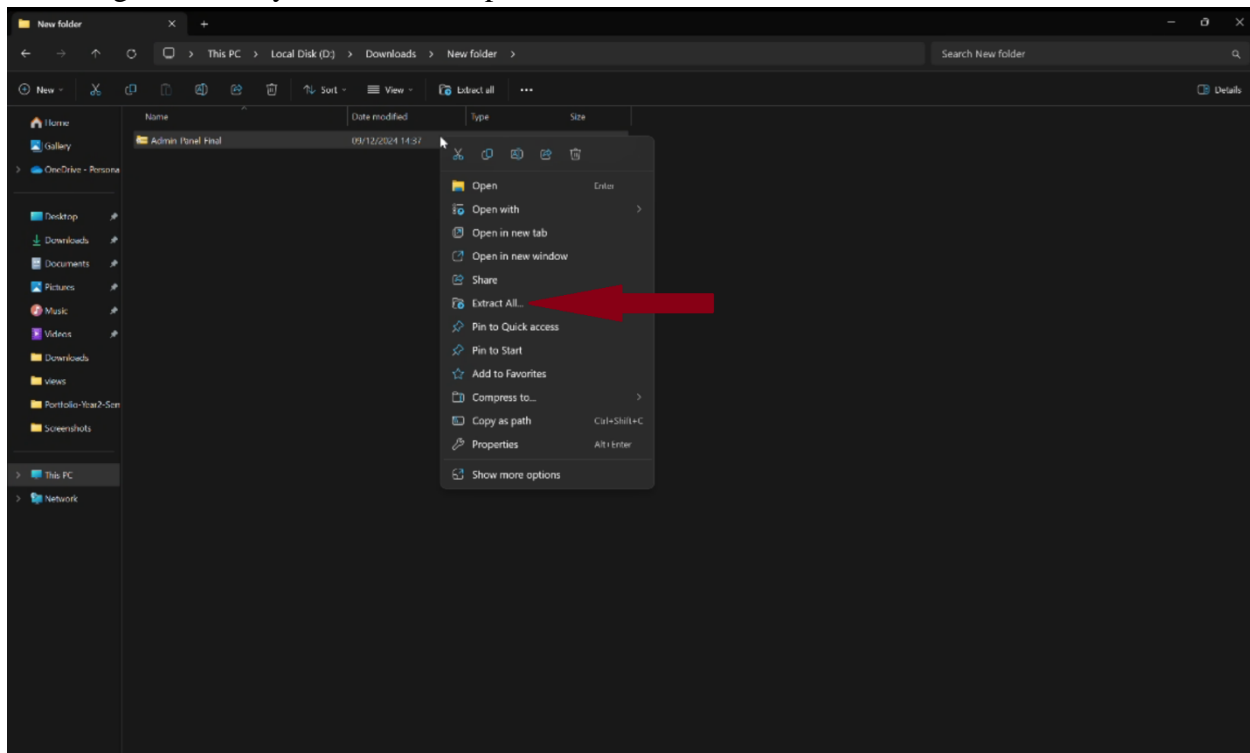
After that the click on ZIP:



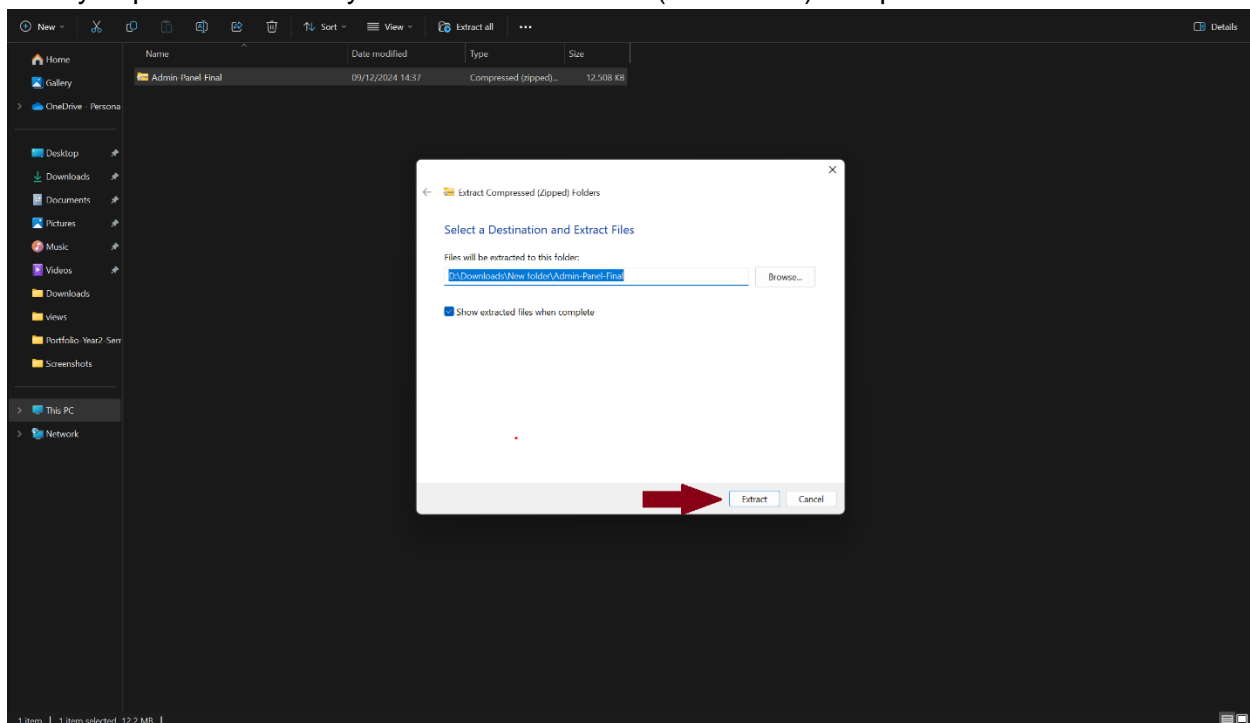
After we click on the zip, we should see that a zip folder is downloading:



After that we go in the file explorer and in the folder where we downloaded our folder and press on the right click on your mouse and press on extract all:



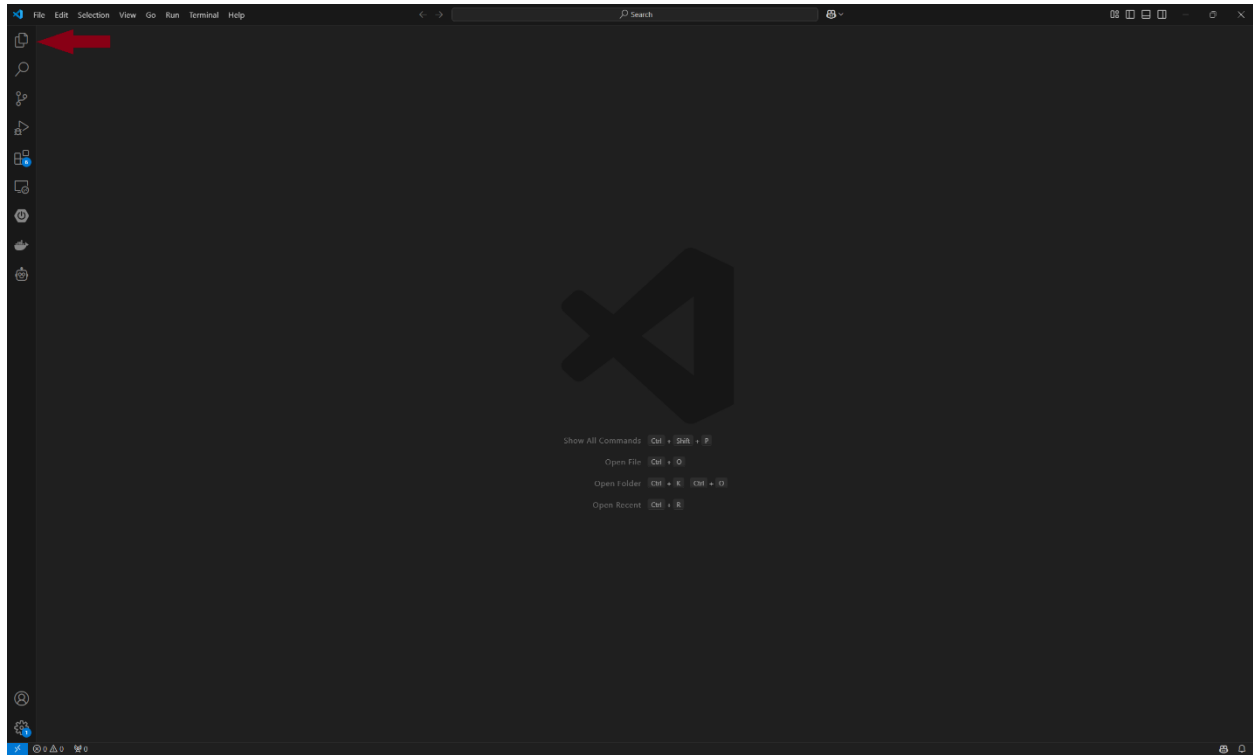
After you press extract all you will see this screen (look below) and press extract:



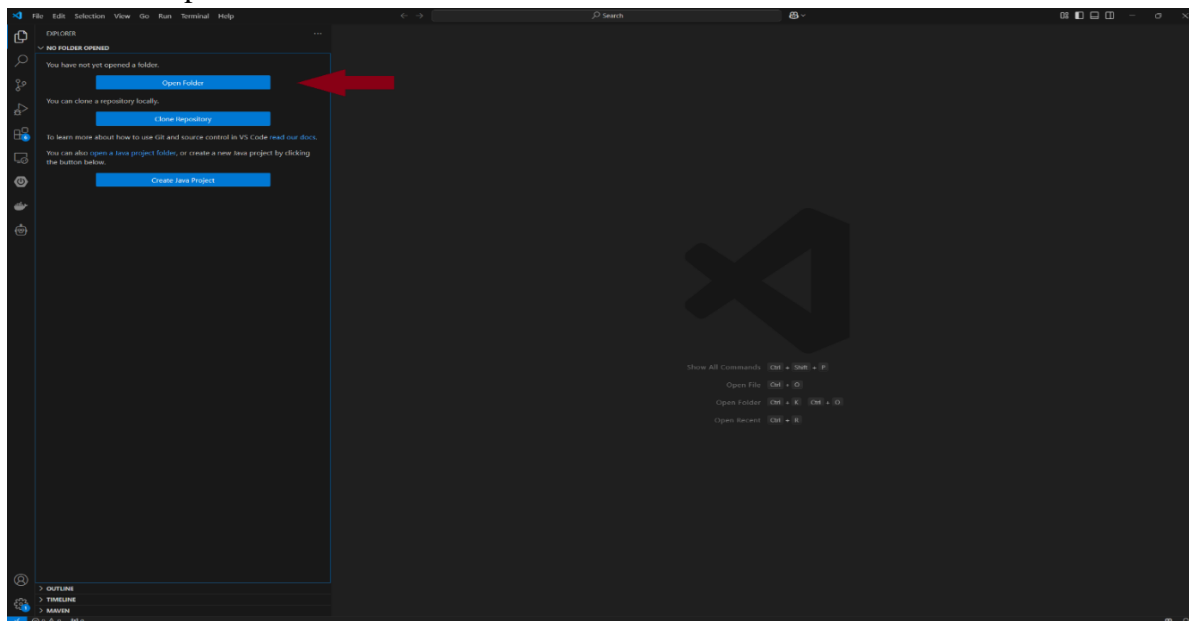
4. How to run the project

- How to run the Admin Panel:

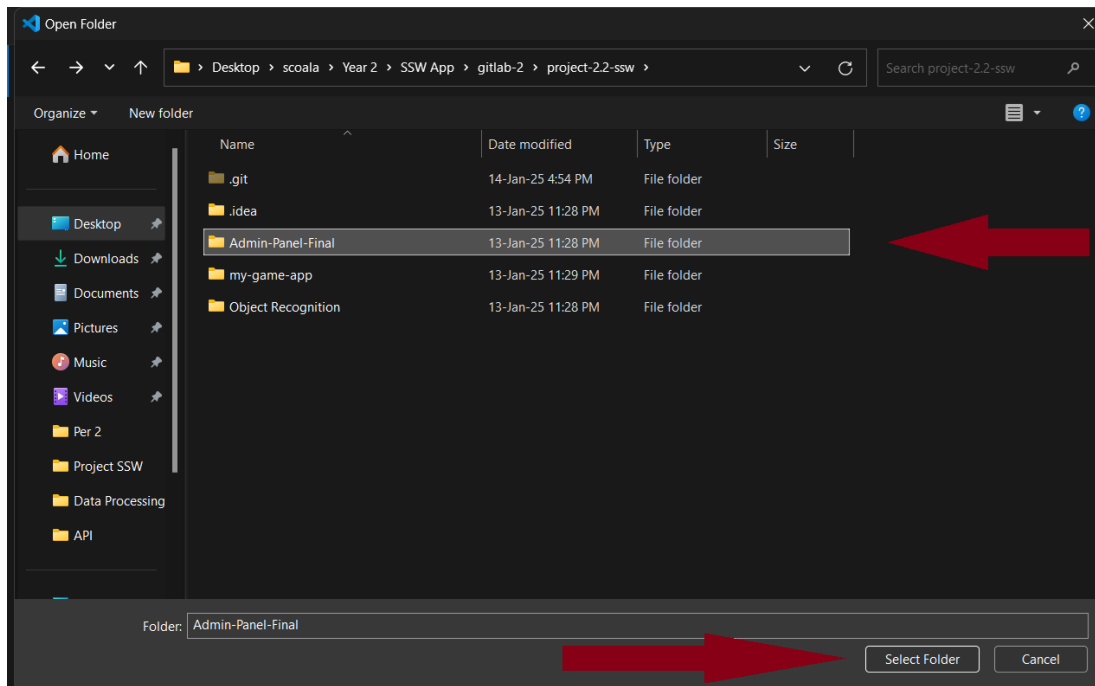
First open the VS Code, and then click on the Explorer that is marked with an arrow.



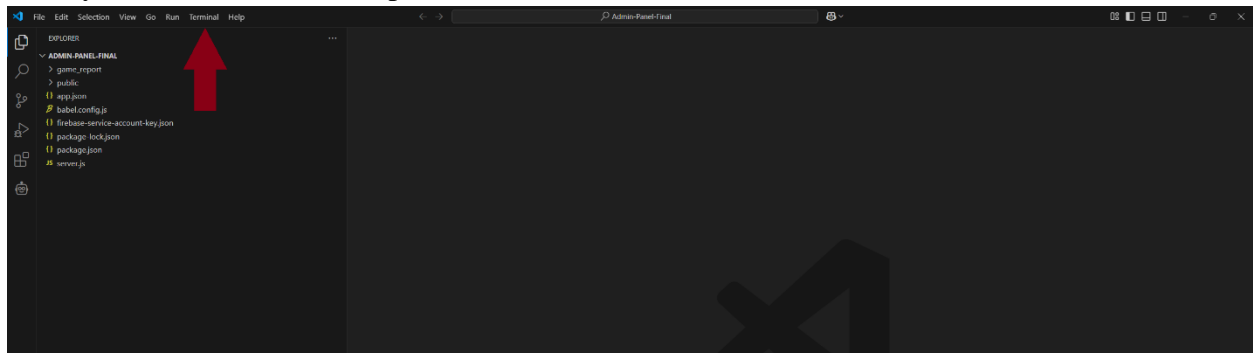
Then select Open folder:



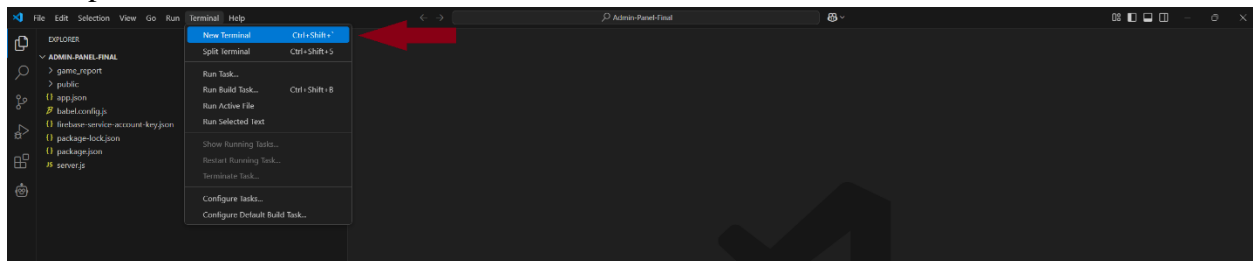
Select the Admin-Panel-Final



After you selected the folder, press on the Terminal



Then, press on the New Terminal



In the terminal, write “npm init -y”

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
PS C:\Users\trifa\Desktop\scoala\Year 2\SSW App\gitlab-2\project-2.2-ssw\Admin-Panel-Final> npm init -y
```

After write in the terminal “npm install”

```
PS C:\Users\trifa\Desktop\scoala\Year 2\SSW App\gitlab-2\project-2.2-ssw\Admin-Panel-Final> npm install
```

If you encounter errors similar from the photo please write “npm install --legacy-peer-deps”

```
PS C:\Users\trifa\Desktop\scoala\Year 2\SSW App\gitlab-2\project-2.2-ssw\Admin-Panel-Final> npm install
npm error code ERESOLVE
npm error ERESOLVE unable to resolve dependency tree
npm error
npm error While resolving: game-overview@1.0.0
npm error Found: expo-gl@13.0.1
npm error node_modules/expo-gl
npm error   expo-gl@"~13.0.1" from the root project
npm error
npm error Could not resolve dependency:
npm error peer expo-gl@"^7.0.0" from @tensorflow/tfjs-react-native@0.8.0
npm error   node_modules/@tensorflow/tfjs-react-native
npm error     @tensorflow/tfjs-react-native@"^0.8.0" from the root project
npm error
npm error Fix the upstream dependency conflict, or retry
npm error this command with --force or --legacy-peer-deps
npm error to accept an incorrect (and potentially broken) dependency resolution.
npm error
npm error For a full report see:
npm error C:\Users\trifa\AppData\Local\npm-cache\_logs\2025-01-17T15_15_06_038Z-eresolve-report.txt
npm error A complete log of this run can be found in: C:\Users\trifa\AppData\Local\npm-cache\_logs\2025-01-17T15_15_06_038Z-debug-0.log
PS C:\Users\trifa\Desktop\scoala\Year 2\SSW App\gitlab-2\project-2.2-ssw\Admin-Panel-Final> npm install --legacy-peer-deps
```

To run the admin panel now write node server.js

```
PS C:\Users\trifa\Desktop\scoala\Year 2\SSW App\gitlab-2\project-2.2-ssw\Admin-Panel-Final> node server.js
Debugger attached.
Server is running on port 3000
Upload directory: C:\Users\trifa\Desktop\scoala\Year 2\SSW App\gitlab-2\project-2.2-ssw\Admin-Panel-Final\public\uploads
```

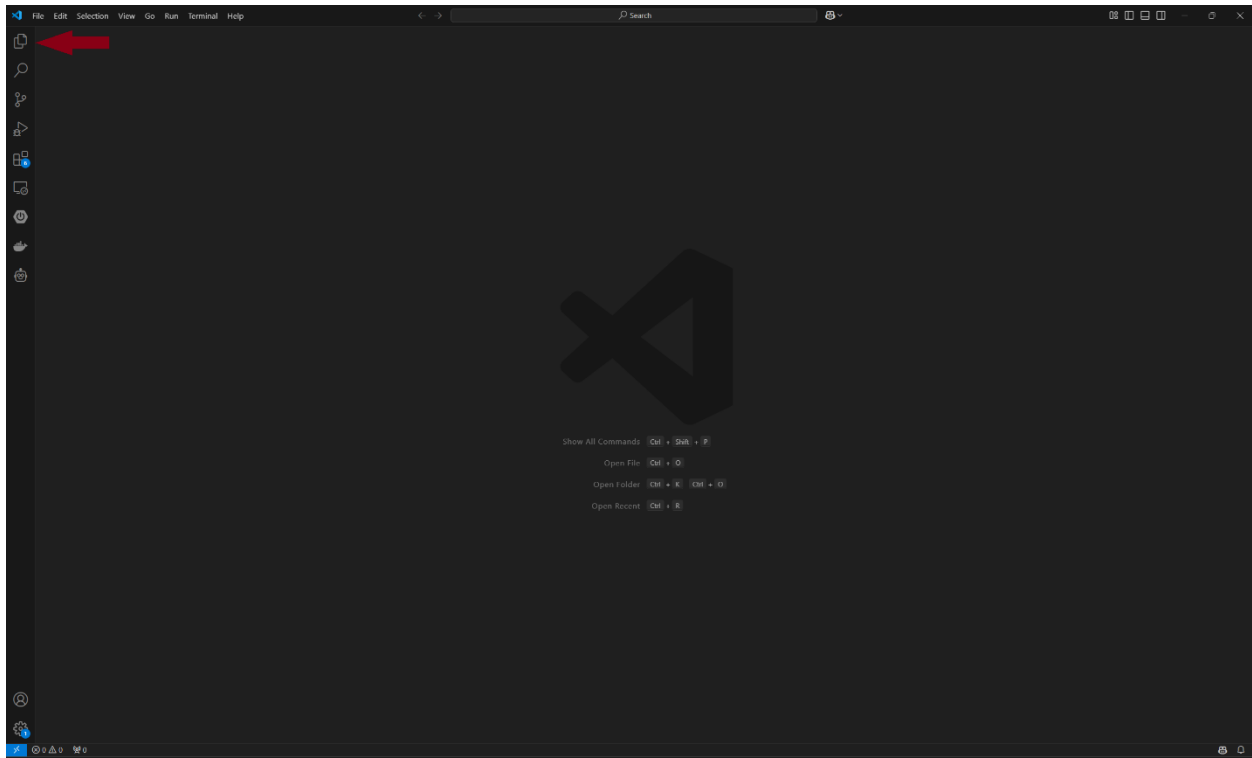
The credentials for the log in page are:

Username: **admin**

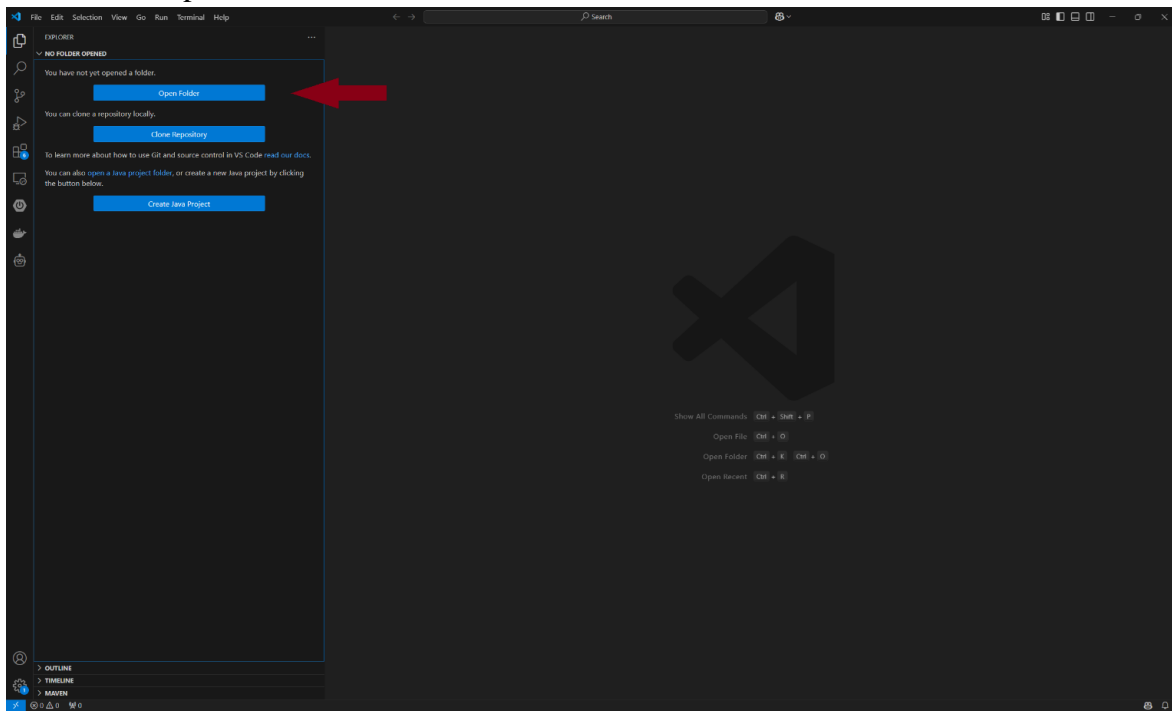
Password: **qwerty**

- How to run the Game App:

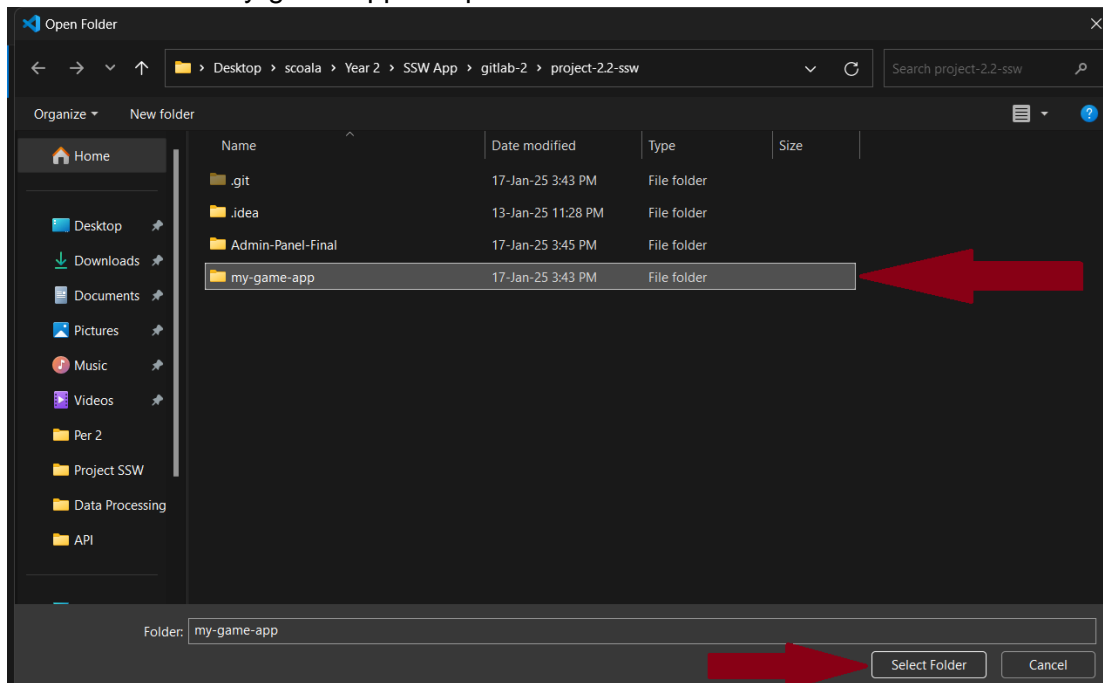
First open the VS Code, and then click on the Explorer that is marked with an arrow.



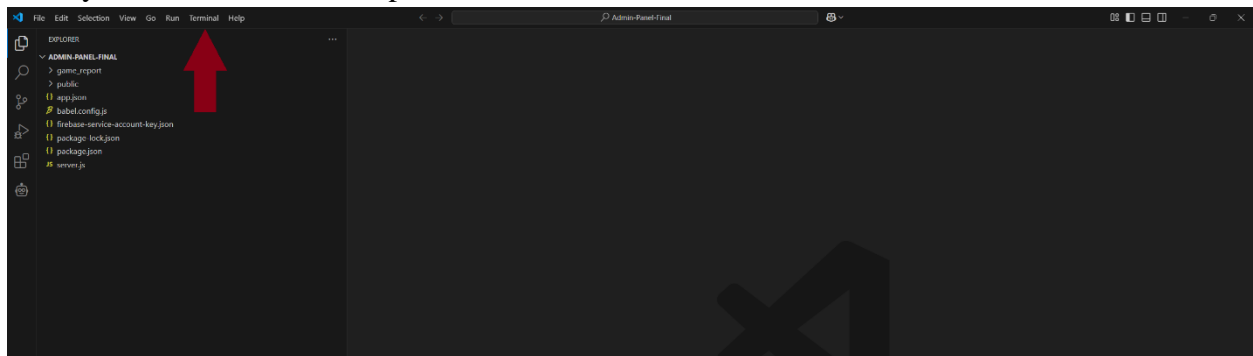
Then select Open folder:



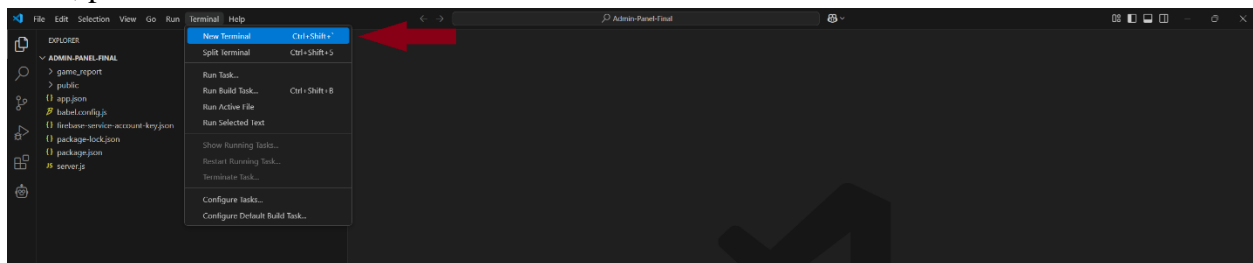
After that select my-game-app and press SELECT FOLDER:



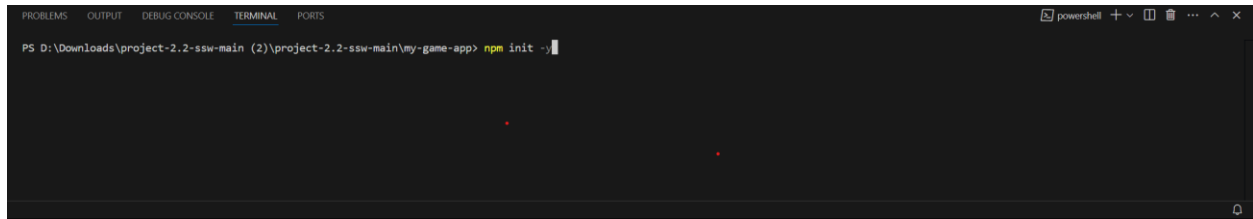
After you selected the folder, press on the Terminal



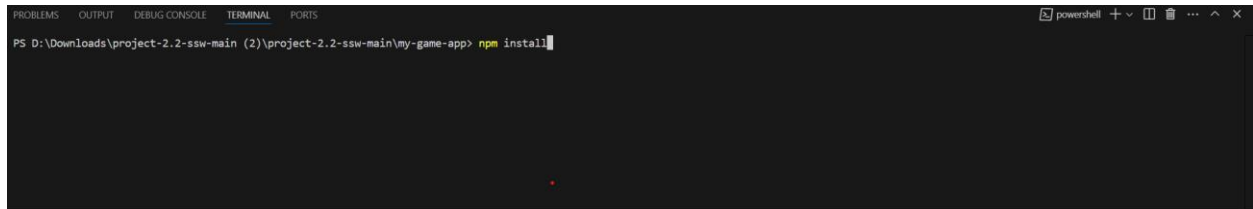
Then, press on the New Terminal



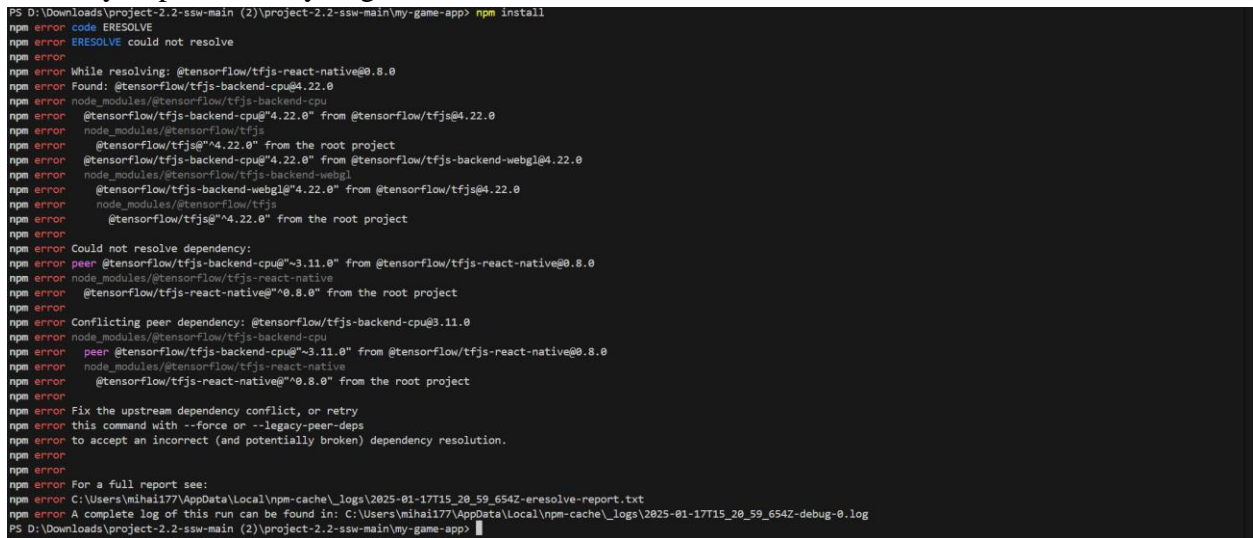
In the terminal, write “npm init -y” and press enter:

A screenshot of a Windows PowerShell terminal window. The title bar shows 'powershell' and standard window controls. The terminal has tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', and 'PORTS'. The 'TERMINAL' tab is active. The command prompt shows the path 'PS D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app>' followed by the command 'npm init -y' which has been executed, as indicated by the cursor moving to the next line.

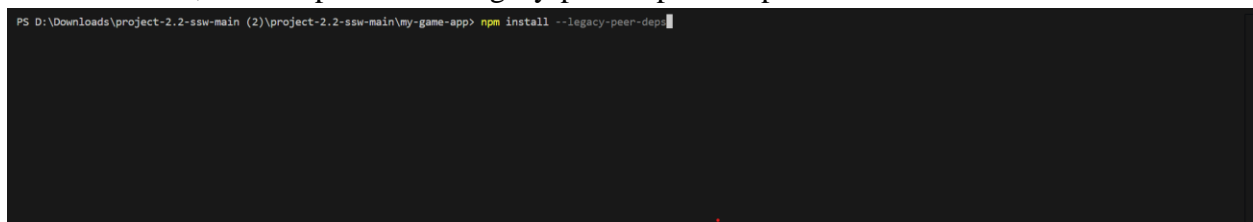
In the terminal, write “npm install” and press enter:

A screenshot of a Windows PowerShell terminal window, similar to the one above. The command prompt shows the path 'PS D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app>' followed by the command 'npm install' which has been executed.

If after you press enter you get this:

A screenshot of a Windows PowerShell terminal window showing the output of the 'npm install' command. The output consists of several lines of error messages. The first line is 'npm error code ERESOLVE'. This is followed by 'npm error ERESOLVE could not resolve'. Then, a series of messages about resolving dependencies for '@tensorflow/tfjs-backend-cpu@4.22.0' and '@tensorflow/tfjs-backend-webgl@4.22.0'. The errors indicate conflicts with peer dependencies and versions from the root project. The final part of the output suggests fixing the upstream dependency conflict or using '--force' or '--legacy-peer-deps' to accept an incorrect dependency resolution. The terminal path is 'PS D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app>'.

In the terminal, write “npm install --legacy-peer-deps” and press enter:


A screenshot of a Windows PowerShell terminal window. The command prompt shows the path 'PS D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app>' followed by the command 'npm install --legacy-peer-deps' which has been executed.

After that, write in terminal “npm start” and this is what you get:

```
PS D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app> npm start

> my-game-app@1.0.0 start
> expo start

Starting project at D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app
Starting Metro Bundler
The following packages should be updated for best compatibility with the installed expo version:
@react-native-async-storage/async-storage@1.24.0 - expected version: 1.23.1
expo@52.0.19 - expected version: ~52.0.25
expo-blur@14.0.1 - expected version: ~14.0.2
expo-constants@17.0.3 - expected version: ~17.0.4
expo-font@11.0.1 - expected version: ~11.0.3
expo-haptics@14.0.0 - expected version: ~14.0.1
expo-linking@7.0.3 - expected version: ~7.0.4
expo-splash-screen@0.29.18 - expected version: ~0.29.20
expo-status-bar@2.0.0 - expected version: ~2.0.1
expo-symbols@0.2.0 - expected version: ~0.2.1
expo-system-ui@4.0.6 - expected version: ~4.0.7
expo-web-browser@14.0.1 - expected version: ~14.0.2
react-native@0.76.5 - expected version: 0.76.6
react-native-screens@4.1.0 - expected version: ~4.4.0
jest-expo@51.0.0 - expected version: ~52.0.3
Your project may not work correctly until you install the expected versions of the packages.



> Metro waiting on exp://141.252.223.163:8081
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

> Web is waiting on http://localhost:8081

> Using Expo Go
> Press s | switch to development build

> Press a | open Android
> Press w | open web

> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> Shift+m | more tools
> Press o | open project code in your editor
```

After this, you open your phone, depending on if it is iPhone open app store or if it is android open play market and install expo go, the logo of the is like this:




After you install this application, open your camera on the phone and scan the QR-code from the terminal, the QR-code looks like this:

```
PS D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app> npm start

> my-game-app@1.0.0 start
> expo start

Starting project at D:\Downloads\project-2.2-ssw-main (2)\project-2.2-ssw-main\my-game-app
Starting Metro Bundler
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@react-native-async-storage/async-storage@1.24.0 - expected version: 1.23.1
expo@52.0.19 - expected version: ~52.0.25
expo-blur@14.0.1 - expected version: ~14.0.2
expo-constants@17.0.3 - expected version: ~17.0.4
expo-font@13.0.1 - expected version: ~13.0.3
expo-haptics@14.0.0 - expected version: ~14.0.1
expo-linking@7.0.3 - expected version: ~7.0.4
expo-splash-screen@0.29.18 - expected version: ~0.29.20
expo-status-bar@2.0.0 - expected version: ~2.0.1
expo-symbols@0.2.0 - expected version: ~0.2.1
expo-system-ui@4.0.6 - expected version: ~4.0.7
expo-web-browser@14.0.1 - expected version: ~14.0.2
react-native@0.76.5 - expected version: 0.76.6
react-native-screens@1.1.0 - expected version: ~4.4.0
jest-expo@52.0.2 - expected version: ~52.0.3
Your project may not work correctly until you install the expected versions of the packages.



> Metro waiting on exp://141.252.223.163:8081
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> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> shift+m | more tools
> Press o | open project code in your editor
```

Enjoy the game!