Covid Tracker

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PostgreSQL Dump
1) Download the attached file 'db.sql'
2) Create a database in PostgreSQL called 'Covid'
3) Run the following command in terminal to copy over the database
sudo -u postgres psql Covid < <yourfilepathhere>
4) Check on PostgreSQL database for tables using \dt

Install Vapor
Requirements:
Homebrew
Latest Version of Xcode (12.2)
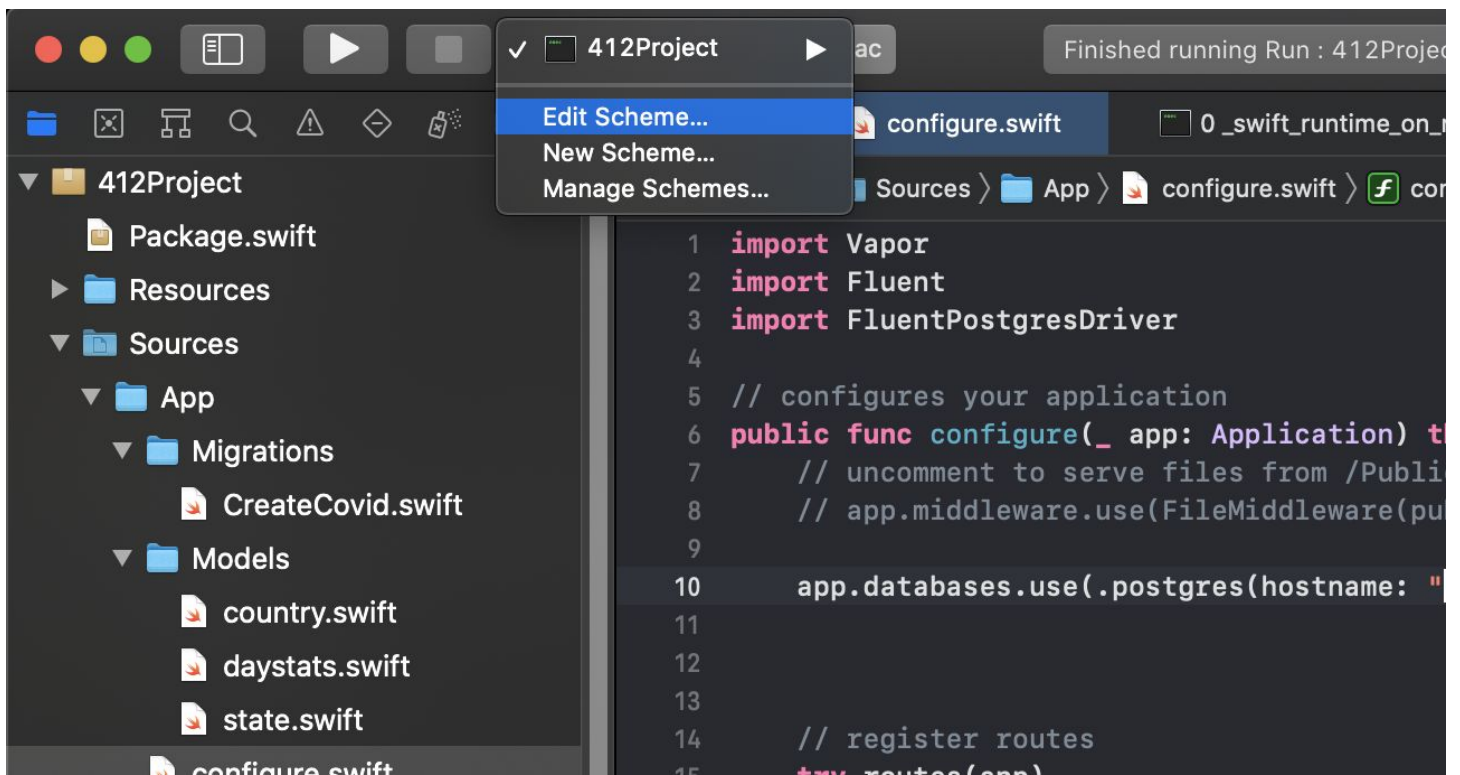Command Line Tools for Xcode

1) Run the following command in terminal
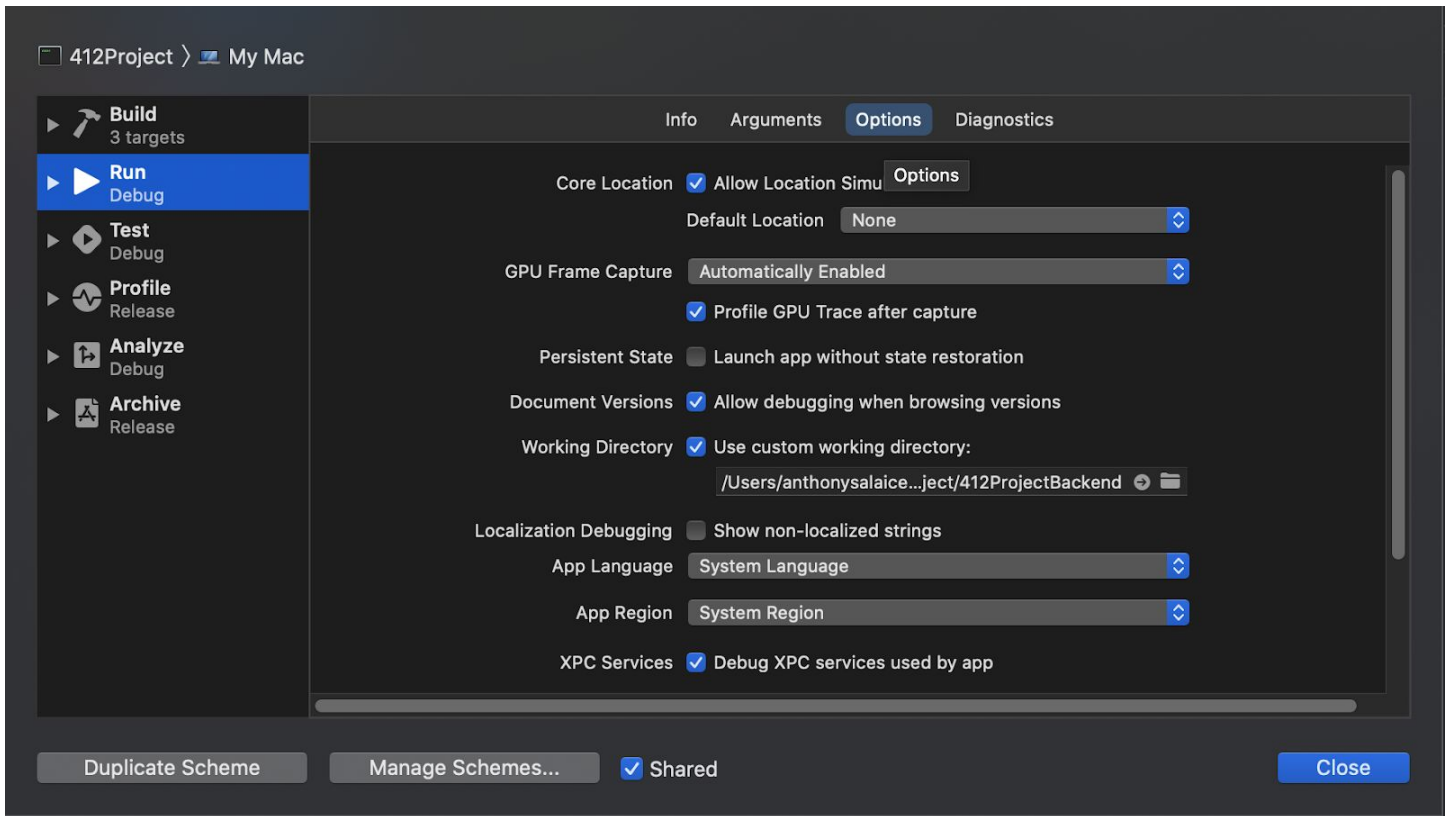Brew install vapor/tap/vapor

Project Setup
1) Download project files
2) Open up terminal and locate the directory 412ProjectBackend with cd
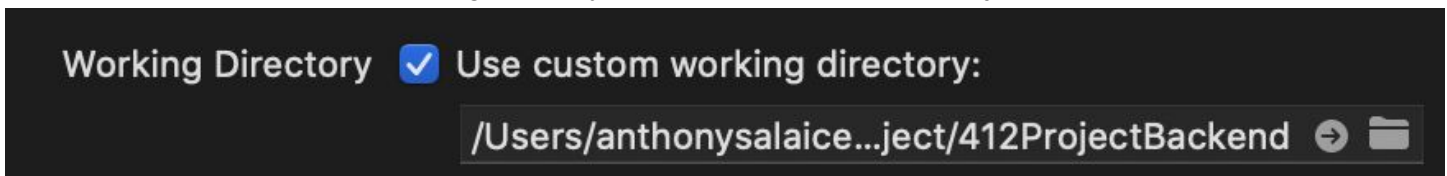3) Run the following command to initialize the Xcode window
vapor xcode
4) Locate '412Project' on run configurations in the top left corner
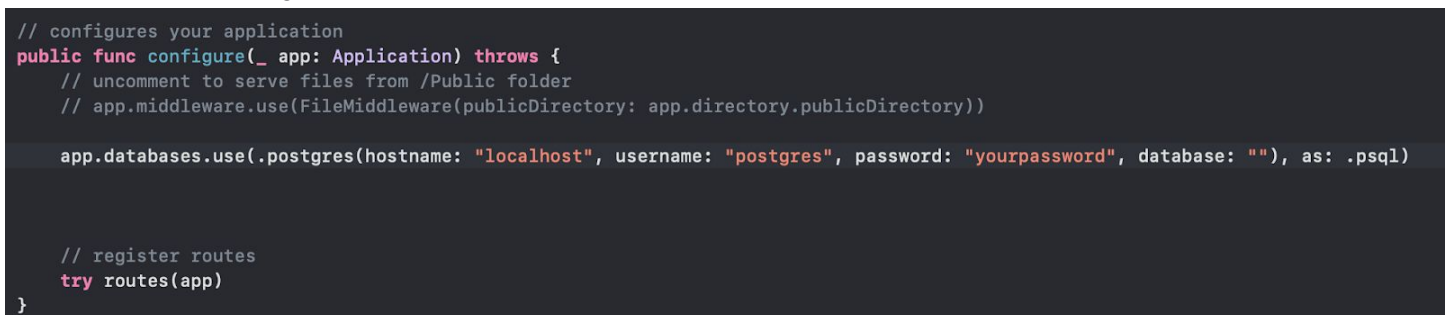5) Select 'edit scheme'

6) Click on Run and the Options tab

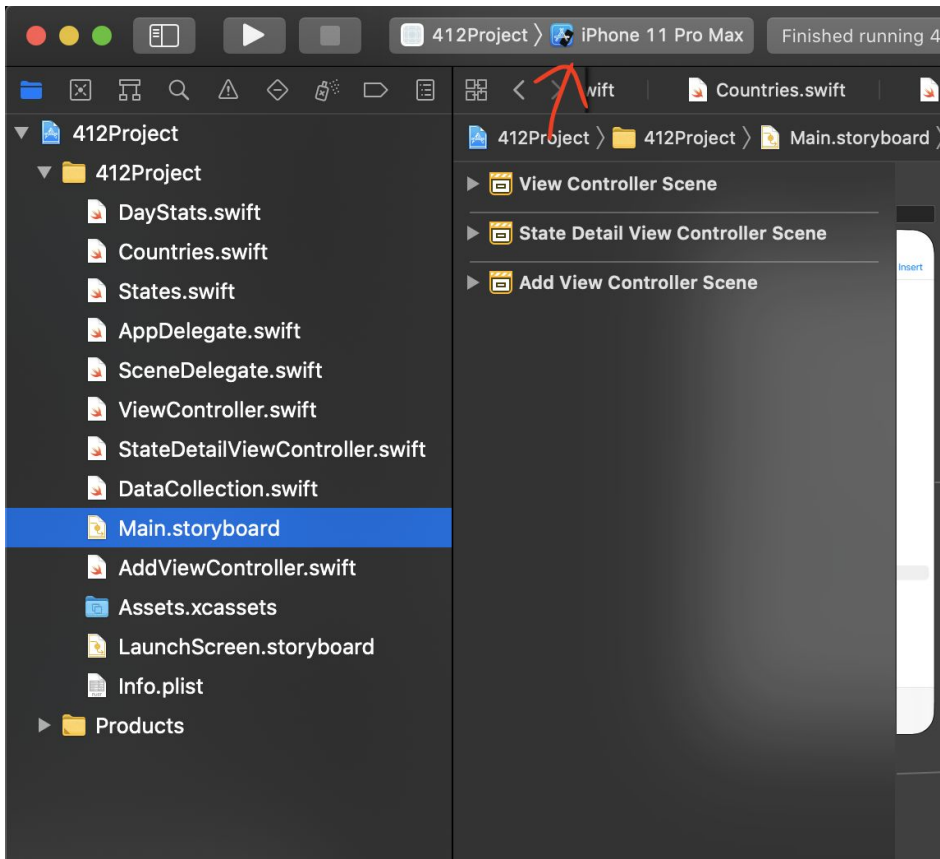7) Click the folder under working directory and locate the folder '412ProjectBackend'

8) Open up configure.swift and locate line 10

```
// configures your application
public func configure(_ app: Application) throws {
    // uncomment to serve files from /Public folder
    // app.middleware.use(FileMiddleware(publicDirectory: app.directory.publicDirectory))

    app.databases.use(.postgres(hostname: "localhost", username: "postgres", password: "yourpassword", database: ""), as: .psql)

    // register routes
    try routes(app)
}
```
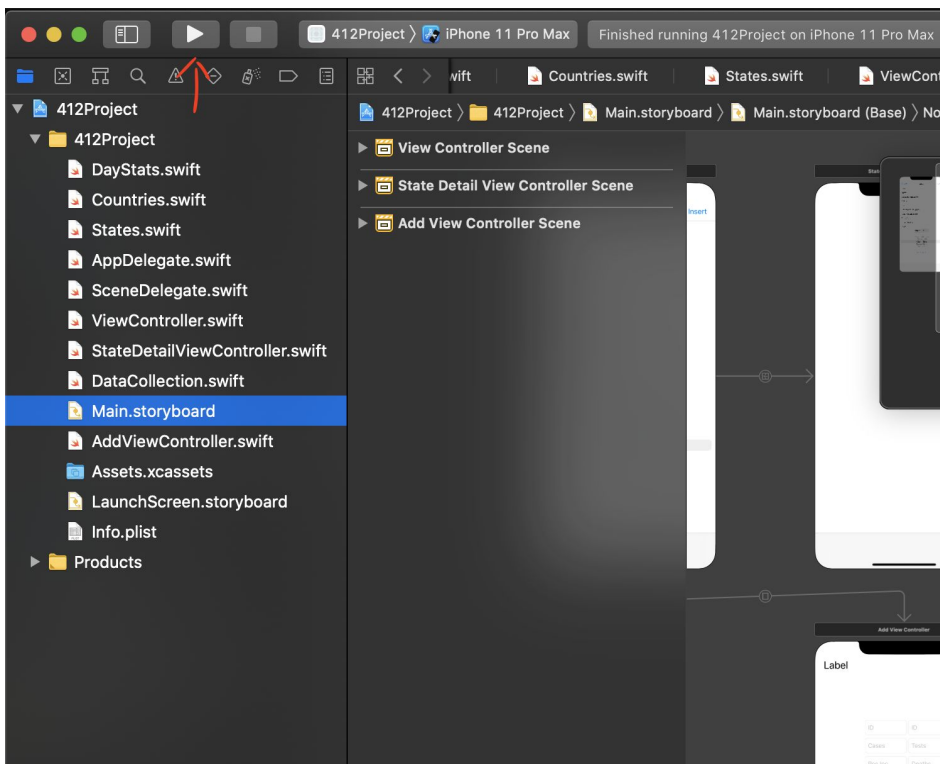
9) Change the fields 'hostname', 'username', 'password', and 'database' according to your own settings on PostgreSQL
10) Open up file '412Project.xcodeproj' in Xcode. This is located in the root directory of 412Project
11) Set the simulator to iPhone 11 Pro Max

12) Run the application

Troubleshooting Error Running Backend:
If there is an error when running the backend saying that a process is already running on the port, run the following commands:

```
(base) Anthonys-MacBook-Pro-4:412ProjectBackend anthonysalaices$ sudo lsof -i :8080
Password:
COMMAND    PID              USER   FD   TYPE              DEVICE SIZE/OFF NODE NAME
Postman 62791 anthonysalaices   86u  IPv4 0x90d262a43a2c9c15     0t0  TCP localhost:54591->
localhost:http-alt (ESTABLISHED)
Run     63320 anthonysalaices    8u  IPv4 0x90d262a4318fcab5     0t0  TCP localhost:http-al
t (LISTEN)
Run     63320 anthonysalaices    9u  IPv4 0x90d262a43a2c8855     0t0  TCP localhost:http-al
t->localhost:54591 (ESTABLISHED)
```

```
(base) Anthonys-MacBook-Pro-4:412ProjectBackend anthonysalaices$ sudo kill -9 63320
```
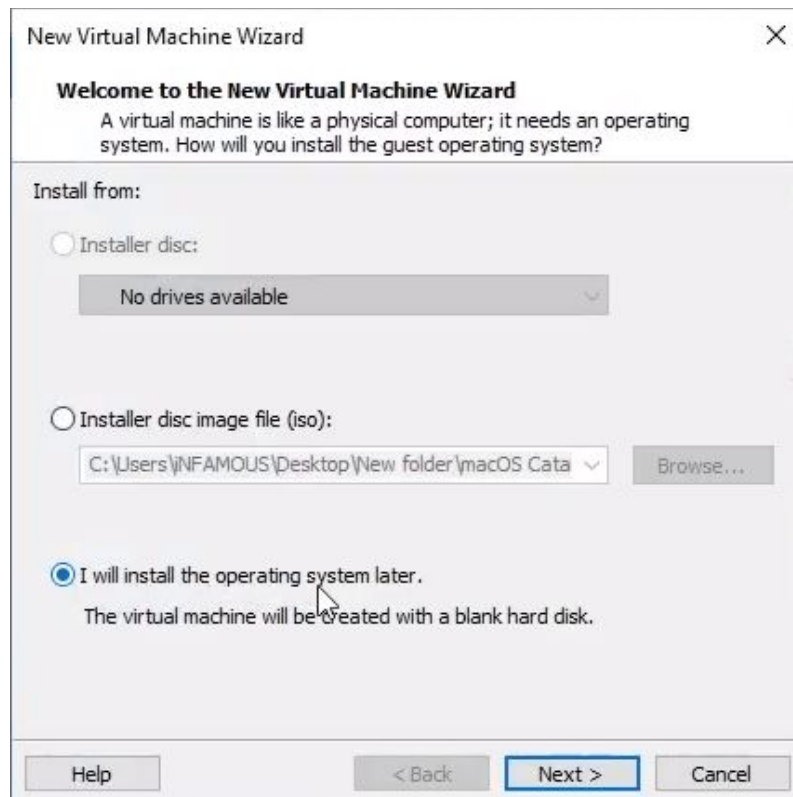
The number in the lower command '63320' is from the output of the upper command on the left side labeled as the 'Pid'.

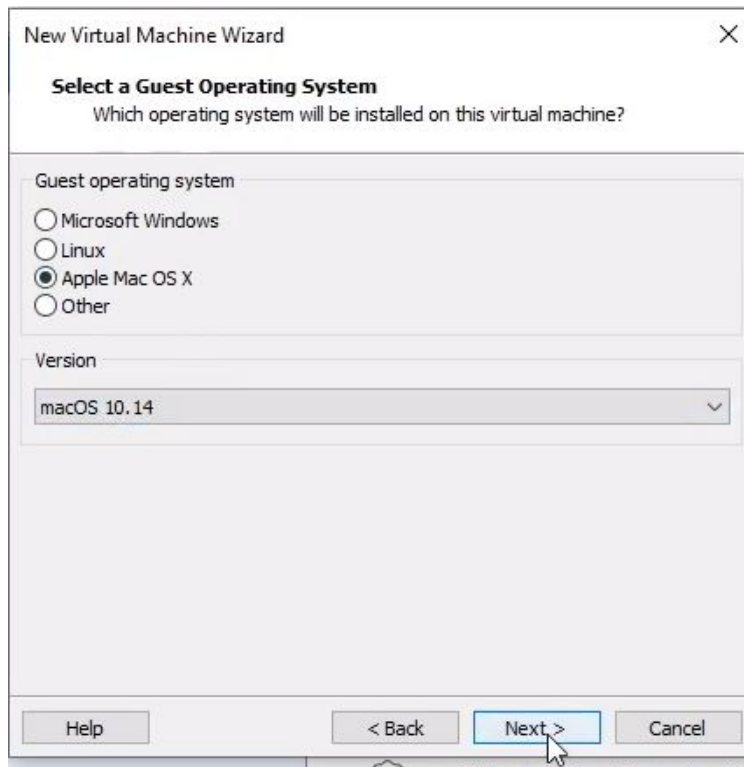After running these command, you should not get this error anymore.

Unless a MAC device is not available then use this tutorial to run MAC on a windows device. Once you finish following these instructions, please go back to the previous set of instructions to run the app.

DISCLAIMER under Apple terms and policies running a MAC OS on a non-Apple device is illegal.
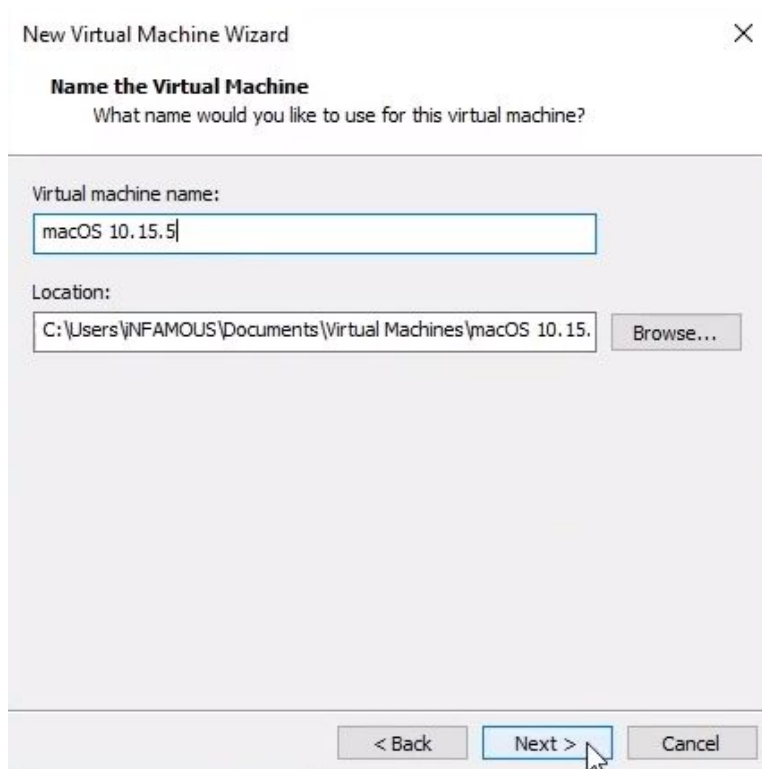
1) Enable Virtualization in the bios of your Windows Desktop or Laptop.
2) Download macOS Catalina and VMware from https://www.mediafire.com/file/i45563msvrkfi5s/macOS_Catalina_10.15.5_Package.rar/file
3) Extract the downloaded file and then extract unloacker302.zip
4) Run the VMwarePlayer 15.0.4 file to install the VM machine
5) After you finish installing open unloacker302 folder and run win-install.cmd and let it finish
6) Once it's once, open VMware workstation
7) Run the VMwarePlayer, then click on create on VM Machine, follow the picture below
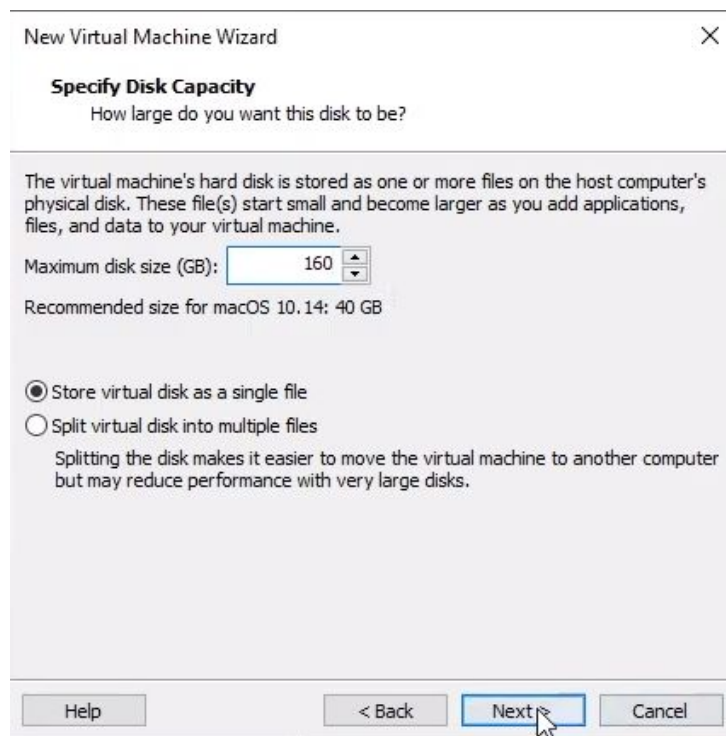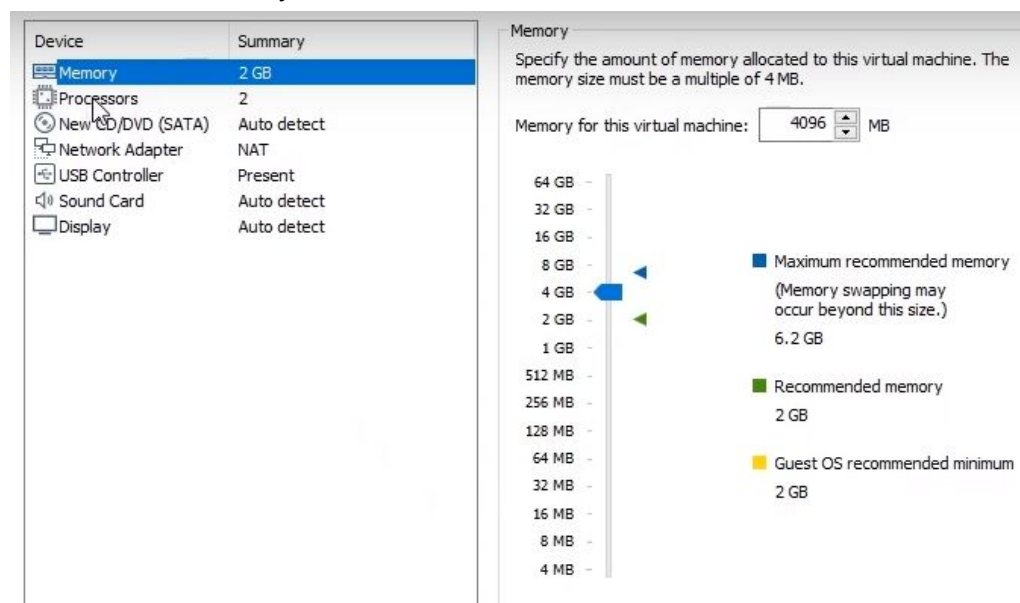

Then select the options below

In this part, you will give your machine a name and select where you want to store it

You will then select how much disk space you want to allocate for your machine base on how much disk space you have available (128 GB minimum is recommended)
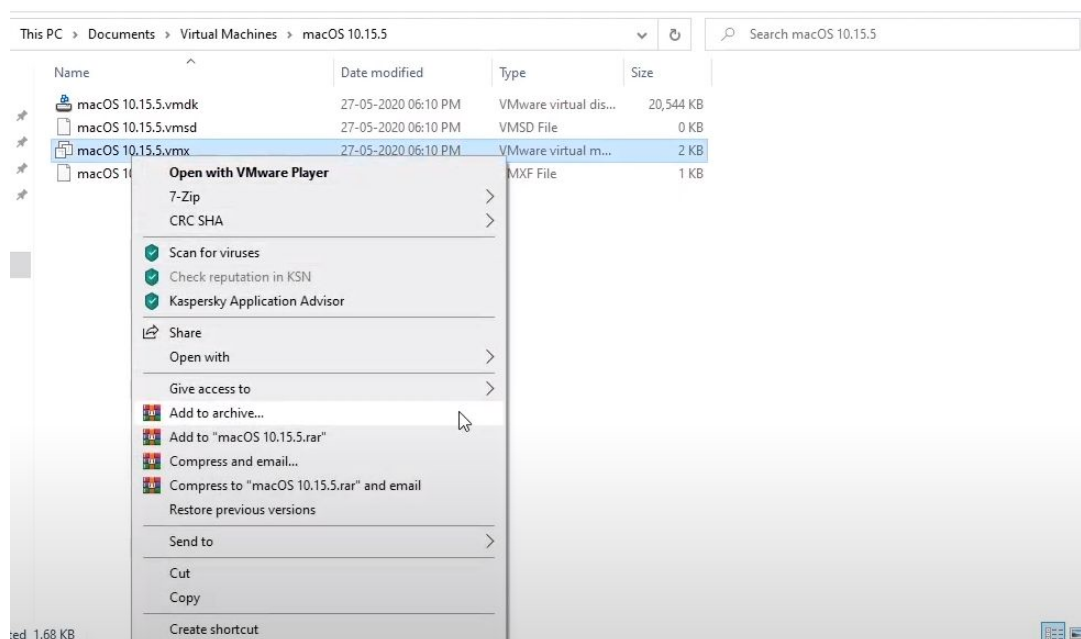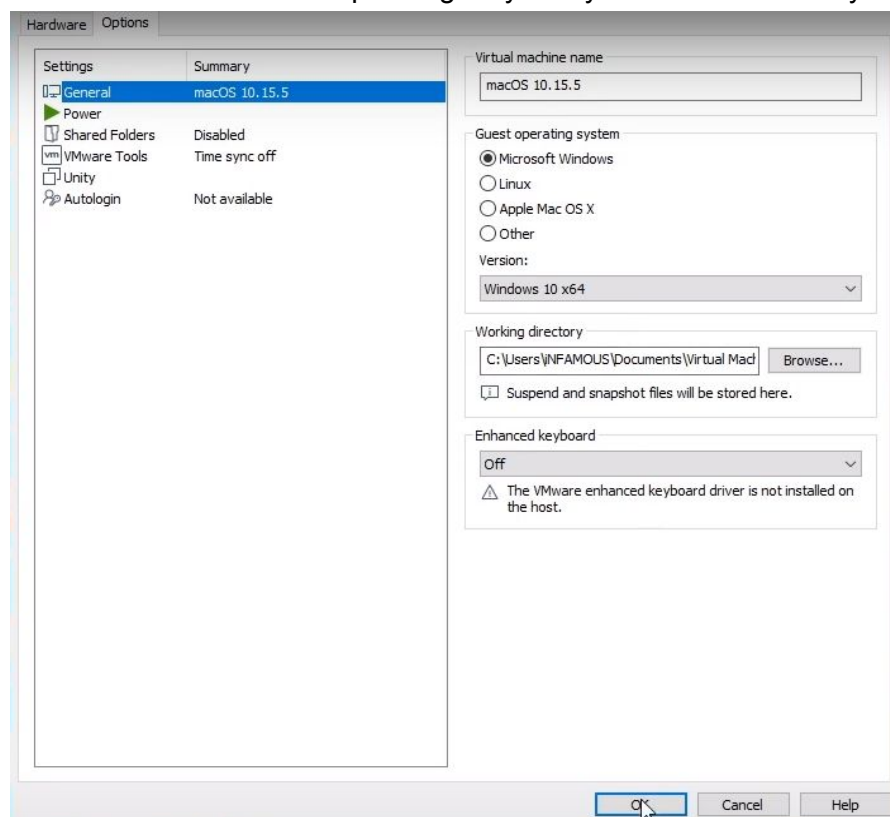
Select the RAM size you want to allocate

8) Then click on Processors and select half the amount of core that you have available in your machine and then enable "virtualize Intel VT-x/EPt or AMC-V/RVI".
9) Then select "New CD/DVD" and click on "use ISO image file" and then browse. In the browse, open the folder you downloaded and extracted and select "macOS Catalina 10.15.5.iso"
10) Select "USB controller" change USB compatibility from USB 3.0 to USB 2.0 and check "show all USB input devices". Finally, click on close and then finish.

11) If you changed the default location of where your machine is saving then go that files else go the folder shown in the picture below
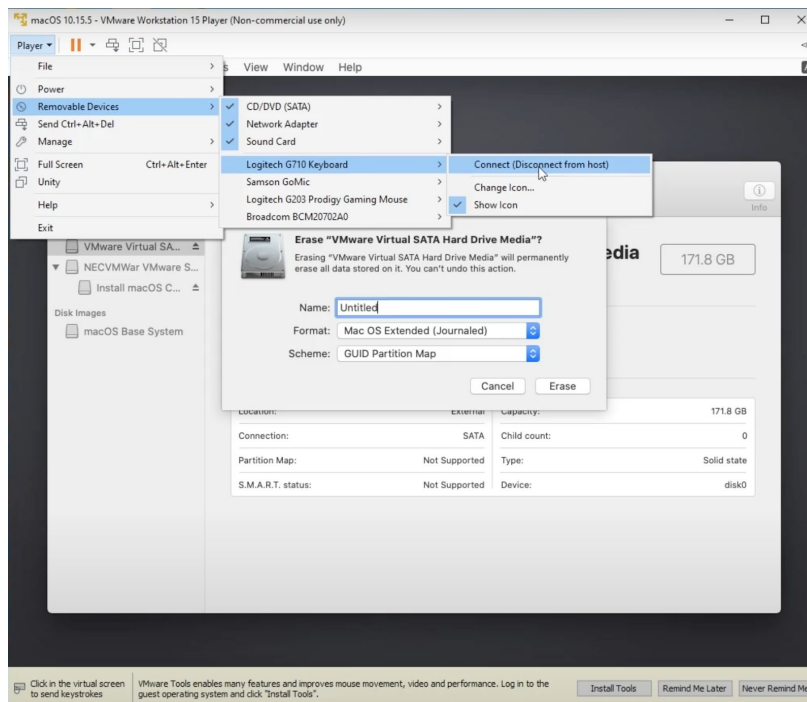

12) Open macOS 10.15.5 with notepad and then head back to the file you downloaded and extracted then open either VMX code for AMD or Intel .txt. Depending on the CPU your machine has, open the file with your CPU name and copy everything inside it. Go back to files you open in beginning and paste what you copied all that way at the bottom. Finally, scroll up and change virtaulHW.version = "16" to virtaulHW.version = "10". Save the file and close both notepads.

13) Open VMware Workstation click on the VM machine you created and click on "edit VM settings". Go to options and change "Guest operating system" to "Microsoft Windows" then change "Version" to Windows 10 x64 or x32 depending on your system. Click on "okay" and "play virtual machine".
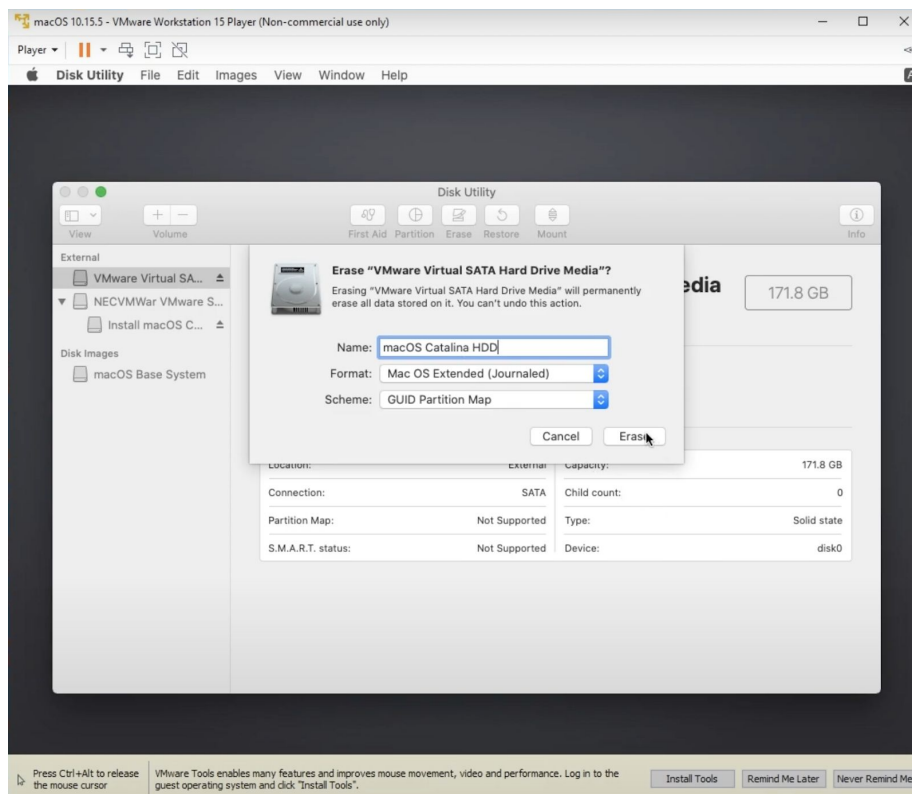

14) Ignore the update prompt if you get it.

15) Go through the regular set up, until you get to the macOS Utilities screen. Click "Disk Utility", then "VMWare Virtual SATA Hard Drive Media", then "Erase". At this point, if you cannot type through your keyboard, follow this:

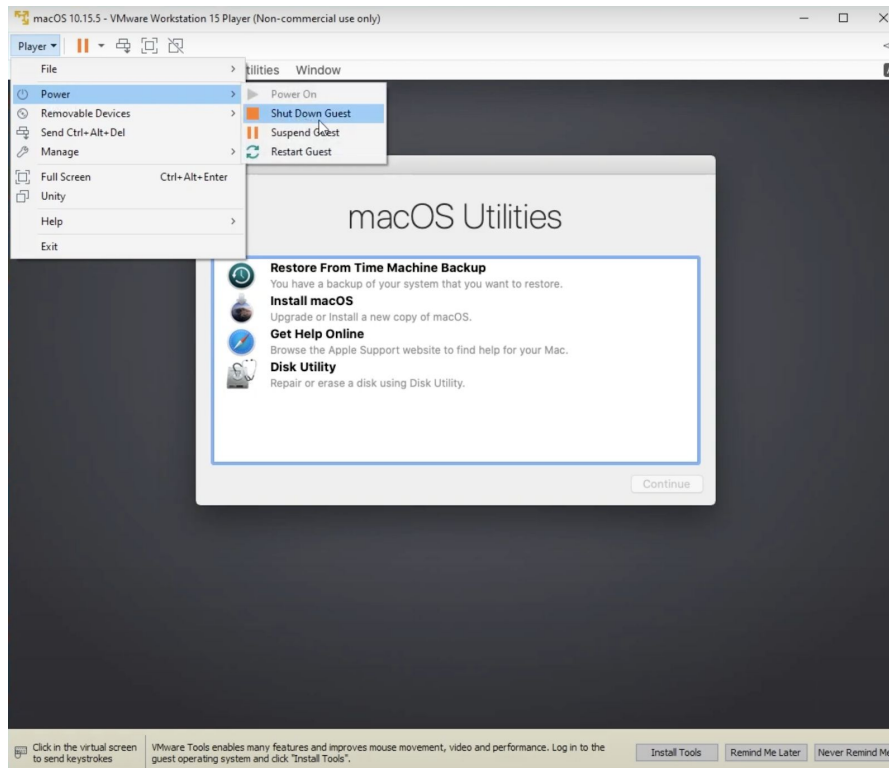Once you select connect, click "Ok" for the next two screens that pop up.

16) In the screen that pops up after selecting "Erase", set the name to "macOS Catalina HDD". Then select "Erase".

Then select "Done" and close the window.

17) Select "Install MacOS" and hit continue. Follow the instructions, select "macOS Catalina HDD", and install it.

18) When you finish installing everything, you will be taken back to the "macOS Utilities" screen. Go to "Player", "Power", and then "Shut Down Guest".

Select Ok and you will exit out of the virtual machine

19) Startup the virtual machine again. Select "macOS 10.15.5", click on "Edit virtual machine", and go to "Options". Under "Guest operating systems" select "Apple Mac OS X". For the "Version" select "macOS 10.14" and click "Ok". Then play the virtual machine and go through the mac setup. Once you finish setting up, you can eject the install disc.

20) Open the AppStore and download XCode to open the file and run it.