Read me file

## Instructions for building an executable version of the prototype for Windows OS

NOTE: The code can on multiple operating systems, however the steps of installation need to be adapted accordingly.

The instructions in this note will show how to install Node using NVM (Node Version Manager) to reduce the chance of errors and permissions issues. NVM is now recommended by the NPM community to install and manage your Node environment.

**Installing Node with NVM**

Important - Uninstall any existing versions of Node.js before installing NVM for Windows (otherwise, you'll have conflicting versions).

1. **Install NVM Windows**

Visit the official NVM Windows repository releases page:

https://github.com/coreybutler/nvm-windows/releases

Scroll down to Assets and click nvm.setup.zip to download the current release:

A picture containing chart

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After the file downloads, extract the zip file and run the **nvm-setup.exe** installer. If you get a Windows prompt about the app, click Install anyway:

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1. **Open your Terminal as Admin**

After installation has successfully completed open your Terminal as an Administrator (we are showing GitBash here, however, you can use your terminal of choice such as PowerShell).

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1. **Test that NVM is working**

In your terminal, type nvm. It should output some information on how to use NVM similar to below:

Text

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1. **Install the LTS version of Node**

This prototype will require the use of the latest LTS release of Node which is currently v16. Node v17 is not recommended as it is still not widely supported.

To install the needed version of Node, run the following command in your terminal:

nvm install 16

Text

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1. **Set your Node version**

After installing a version of Node you need to tell NVM to use it.

In your terminal run nvm list

A screenshot of a computer

Description automatically generated with low confidence

Note the v16 version found in the list (yours may be newer or older, it's fine as long as it is a v16 release)

In our case, this was 16.14.2, so, we will run nvm use 16.14.2



1. **Check your Node version**

Make sure your Node version is set correctly by running in your terminal node -v. It should print the version you just told NVM to use above.

1. **Run the prototype**

Next step is to install the ‘Expo Go’ app on your mobile device from the App Store or Google Play Store.

Navigate to the workspace directory of the prototype using the terminal and inside the directory run ***npm install --legacy-peer-deps*** in your terminal***.***

After installing, run npm start. This opens the React Native bundler, which gets your code ready to be ran on a mobile device.

You may get this message and you should enter y:



You should see something like this (image is on the next page):

Qr code

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Copy and paste the url that can be seen in the box from your terminal inside a browser. It should redirect you here:

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The final steps are to set the connection of the metro bundler to LAN and after scan the QR code using your phone camera. This will open the project inside the Expo app and will be ready to use after building the JavaScript bundle. It should look like this on the metro bundler:

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