Hello, React Native Lab

You and your partners have just been paid a ton of money for a job well done creating the web application for *Dinner And A Movie*, a movie theater and restaurant combination. You wrote it in React and Redux and they love it! They love it so much in fact that they now want you to create an iPhone app and an Android app that their customers can install on their devices.

This booking system will let people see a list of movies that are now playing, get details for a movie, pick a showing, reserve seats and pay for their movie. You've decided to use React Native for its ability to write cross-platform genuinely native apps.

Before you begin, though, let's get things set up on your machine so we can develop this app. Ready?

Make sure node and npm are installed

1. Get to a command prompt and run this command:
```
npm --version
```
2. Did you see a version number? If so, you have npm installed and you can skip to "Make sure expo is Installed". If not, go to the next step.
3. Follow instructions to download Node Version Manager (nvm): https://github.com/nvm-sh/nvm#installing-and-updating
4.
5. Install Node LTS 12: $ nvm install 12
6. Rerun your node --version command to make sure it is installed alright. If you get command not found, you probably need to open a new shell session to make sure your PATH has been reread.

Make sure expo is installed

7. Run this command:
```
expo --version
```
8. Did you see a version number? If so, you have expo installed and you can skip to "Download the starter files". If not, go to the next step.
9. Do a global install of expo:
```
npm install --global expo-cli
```
    (note: on Mac/linux, you may need to put "sudo" in front of the command)
10. You may need to add the install directory to your path and restart.
11. Rerun your expo --version command to make sure expo installed properly.

Make sure Xcode is installed (macOS only)

12. Make sure you have Xcode downloaded and you can open it
13. If you don't, go to the App Store to download it.

Make sure Android Studio is installed

14. Make sure Android Studio (https://developer.android.com/studio) is installed.
15. Set up an Android device emulator. Instructions for this were provided in the initial setup instructions for the class.

Download the starter files

16. Point your browser to the site your instructor gives you to download and install the starter files.
17. Take a look around the directory structure. You should see these directories:

instructions	Will eventually hold each lab's instructions
server	The RESTful API server. Pre-written for you.
starters	Some pre-baked images and JavaScript files so you don't have to do as much busy work later on.

Running the API server

18. Open a command window and cd to the <u>server</u> directory. Run these commands.

```
npm install
npm run reload-daam
npm run server
```

19. Open a browser or use curl and try a few of these addresses:

```
localhost:3007/api/films
localhost:3007/api/theaters
localhost:3007/api/showings/10
```

If you can see data, you are up and running! You can be finished with this lab.