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 genuine 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. Open a bash shell 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 MongoDB is Installed". If not, go to the next step.
3. Point your browser at http://nodejs.org
4. Click the download button on the main page. Choose the one recommended for most users; it will be the stable release.
5. Follow the instructions to install it on your machine. This will install both npm and node.
6. Rerun your node --version command to make sure it is installed alright. If you get command not found, you should probably reboot so make sure your PATH has been reread.

Make sure MongoDB is installed

7. Run this command:

```
mongod --version
```

8. Did you see a version number? If so, you have MongoDB installed and you can skip to "Make sure expo is installed". If not, go to the next step.
9. Point your browser to mongoDB.com/download-center. Choose to install mongoDB Community edition. Choose your OS and follow the instructions to install.
10. You may need to add the install directory to your path and restart.
11. Rerun your mongod --version command to make sure mongo installed properly.

Make sure expo is installed

12. Run this command:

```
expo --version
```

13. 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.
14. Do a global install of expo:

```
npm install --global expo
```

(note: on Mac/linux, you may need to put "sudo" in front of the command)

15. You may need to add the install directory to your path and restart.
16. Rerun your expo --version command to make sure expo installed properly.

Download the starter files

17. Point your browser to the site your instructor gives you to download and install the starter files.

18. Take a look around the directory structure. You should see these directories:

instructions	Will eventually hold each lab's instructions
server	The server-side code which is pre-written for you. Feel free to look and see how node, express, and mongo work together.
starters	Some pre-baked images and JavaScript files so you don't have to do as much busy work later on.

19. This is the root of your project. Please make a note of it here: _____

Install server libraries

20. Open a command window and cd to the server directory. run "npm install" to install the needed libraries.
21. type this in

```
mongod
```

This will start up the database server so we can load some data into it. It should tell you that it is listening on port 27017 or something similar. Leave this running!

22. Open a different command window and cd to the server directory
23. Run this command in the bash shell

```
node load-database
```

This will load the database for the node/express/mongo web server with some initial data.

Testing the web server

24. Now start the web server. Open a new bash shell and cd to the server directory. Run this command:

```
node daam-server
```

It will tell you it is listening on a particular port, usually 5000.

25. Try a few of these addresses:

```
localhost:5000/api/films
localhost:5000/api/theaters
localhost:5000/api/showings/10
```

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