# Lab Assignment 1: Spinning Up React Native App Ahmad Baker

## System Requirements

Document specifications of the system being used for React Native development:

CPU: Intel i5 or equivalent (minimum recommended)

RAM: 8 GB or more

Operating System: Windows 10 or later

## Installation Instructions

Step-by-step instructions for installing the necessary tools and dependencies:

1. Install Node.js from the official website (https://nodejs.org/).

2. Install React Native CLI globally using the command:

npm install -g react-native-cli

## Configuration Steps

Detail any necessary configuration steps required to set up the framework:

1. Set the environment variable for ANDROID\_HOME to your Android SDK path.

2. Add the following paths to your system PATH variable:

- %ANDROID\_HOME%\tools

- %ANDROID\_HOME%\platform-tools

## Project Creation

Outline the steps involved in creating a new project:

1. Open a command prompt and navigate to your desired project directory.

2. Create a new project by running the command:

npx react-native init IncredibleTodoListApp

## Running the Project

Detail how to run the project in an Android Device Simulator:

1. Start Android Studio and open the AVD Manager.

2. Create and launch a virtual device.

3. Navigate to your project directory in the command prompt.

4. Run the project with the command:

npx react-native run-android

## Troubleshooting

Include information on how to troubleshoot common issues:

1. Ensure all dependencies are installed correctly.

2. If you encounter build errors, check your SDK version and configuration.

3. For debugging, use the command:

npx react-native log-android or npx react-native doctor

## Resources

Links to additional resources and documentation:

- Official React Native Documentation: https://reactnative.dev/docs/getting-started

- React Native Tutorials: <https://reactnative.dev/docs/tutorial>

- Java SDK download https://www.oracle.com/ca-en/java/technologies/downloads/#java17