1. **System requirements**: Document specifications of the system being used for React Native development. This includes the CPU, RAM size, and Windows version.

React Native requires Windows 10 or 11, it also needs 4GB of RAM and the minimum CPU React Native requires would be a 2nd generation Intel Core or newer.

1. **Installation instructions**: Include step-by-step instructions for installing the necessary tools and dependencies required for the framework, such as Node.js, and the React Native CLI.

First step is to install Android Studio, following this link <https://developer.android.com/> it will send you towards Android Studio. Installing Node.js is the first step, going to [Node.js (nodejs.org)](https://nodejs.org/en) and selecting LTS. JDK17 is also required however installing Android Studio comes with it.

1. **Configuration steps**: Detail any necessary configuration steps required to set up the framework, such as setting environment variables or configuring project settings.

The only necessary configuration needed for React Native would be creating a User Variable for the SDK installed by default at %LOCALAPPDATA%\Android\SDK This can be done by going into the Windows Control Panel 🡪 User Accounts🡪User Accounts🡪Change my environment variables🡪then New. To test that ANDROID\_HOME has been installed open your powershell and run **Get-ChildItem -Path Env:\. Lastly going back into** Windows Control Panel 🡪 User Accounts🡪User Accounts🡪Change my environment variables🡪then New select the Path variable, click edit, then click new after adding the path, the default location would be at %LOCALAPPDATA%\Android\SDK\platform-tools.

1. **Project creation**: Outline the steps involved in creating a new project using the framework, including any necessary setup or configuration.

To create a project, open your command line, once open, create a directory you wish to install the React Native application. After paste the following line into the command line

npx react-native@latest init <name> , and insert a name for the application.

1. **Running the project**: Detail how to run the project in an Android Device Simulator.

Start up Android Studio and open the React Native Application you made. A window should open automatically and choose the proper Android API. Build the app then run it. Enter the command line then type npm run start.

1. **Troubleshooting**: Include information on how to troubleshoot common issues that may arise during setup or development, such as debugging and error messages. This may need to be updated in the future.  
     
   Build file 'C:\Users\jinca\Desktop\Winter 2024\Mobile App\Lab\Lab 1 Setting Up\Incredible ToDo List App\android\app\build.gradle' line: 1\* What went wrong:A problem occurred evaluating project ':app'.> Failed to apply plugin 'com.android.internal.application'.> Android Gradle plugin requires Java 17 to run. You are currently using Java 11.Your current JDK is located in C:\Program Files\Microsoft\jdk-11.0.16.101-hotspotYou can try some of the following options:- changing the IDE settings.- changing the JAVA\_HOME environment variable.- changing `org.gradle.java.home` in `gradle.properties`.

When attempting to build the there is a common error when using the wrong JDK Version, to prevent this install the recommended JDK Version for React Native.

1. **Resources**: Provide links to additional resources and documentation that can be used for reference and further learning, such as official documentation, tutorials, and Stack Overflow answers.   
     
   These are a couple additional resources I used to help me started. <https://reactnative.dev/docs/environment-setup?guide=native>  
   <https://stackoverflow.com/questions/46867399/react-native-error-could-not-determine-java-version-from-9-0-1>  
   <https://www.youtube.com/watch?v=dDF0AHClV94>