

**UNIVERSIDAD DON BOSCO**  
**ESCUELA DE COMPUTACION**  
**DISEÑO Y PROGRAMACION DE SOFTWARE MULTIPLATAFORMA**



**TITULO:**

Guia #04

**DOCENTE:**

Ing. Emerson Francisco Cartagena Candelario

**PRESENTADO POR:**

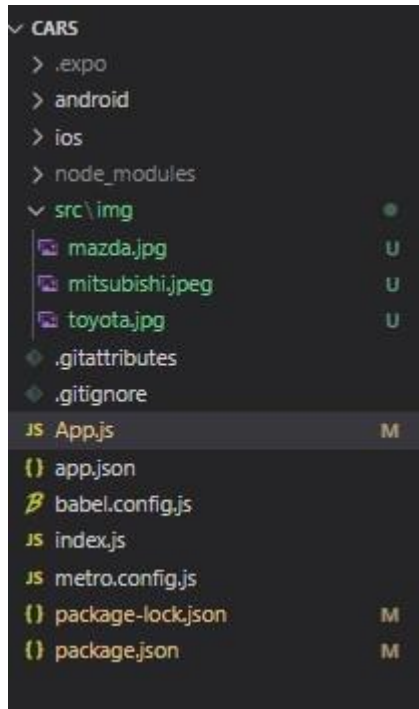
Alvarenga Romero, Josías Isaac #AR200778,

**Antiguo Cuscatlán, 9 de septiembre de 2023**

**<https://github.com/isaac-rom/Guia04-Procedimiento.git>**

## DESARROLLO

Desarrollo de aplicación en react-native (Literal 1,2,3,4,5,6,7,8,9,10,11,12,13,14).



```
import React from 'react';
import { SafeAreaView, View, FlatList, StyleSheet, Text, StatusBar, Image } from 'react-native';

const DATA = [
  {
    id: '1',
    title: 'Toyota',
    src: require('./src/img/toyota.jpg')
  },
  {
    id: '2',
    title: 'Mazda',
    src: require('./src/img/mazda.jpg')
  },
  {
    id: '3',
    title: 'Mitsubishi',
    src: require('./src/img/mitsubishi.jpeg')
  }
];

const Item = ({ title, img }) => (
  <View style={styles.item}>
    <Text style={styles.title}>{title}</Text>
    <Image style={styles.img} source={img}/>
  </View>
);

export default function App() {
  const renderItem = ({ item }) => (
    <Item title={item.title} img={item.src} />
  );
  return (
    <SafeAreaView style={styles.container}>
      <FlatList
        data={DATA}
        renderItem={renderItem}
        keyExtractor={item => item.id}
      />
    </SafeAreaView>
  );
}
```

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    marginTop: StatusBar.currentHeight || 0,
  },
  item: {
    backgroundColor: '#f9c2ff',
    padding: 20,
    marginVertical: 8,
    marginHorizontal: 16,
  },
  title: {
    fontSize: 32,
  },
  img: {
    width: 200,
    height: 125,
    borderWidth: 1,
    resizeMode: 'contain',
    margin: 8
  }
});
```

## Resultado App.js (Literal 15)

Toyota

Mazda

Mitsubishi

Toyota



Mazda



Mitsubishi



12:17



## Toyota



## Mazda



## Mitsubishi



## PARTE II:

```
C:\Program Files\Java\jdk-19\bin>keytool -genkey -v -keystore my-upload-key.keystore -alias my-key-alias -keyalg RSA -keystore my-upload-key.keystore -validity 10000
Enter keystore password:
Re-enter new password:
Enter the distinguished name. Provide a single dot (.) to leave a sub-component empty or press ENTER to use the default value in braces.
What is your first and last name?
  [Unknown]:  Alvarenga
What is the name of your organizational unit?
  [Unknown]:  udb
What is the name of your organization?
  [Unknown]:  udb
What is the name of your City or Locality?
  [Unknown]:  San Salvador
What is the name of your State or Province?
  [Unknown]:  San Salvador
What is the two-letter country code for this unit?
  [Unknown]:  sv
Is CN=Alvarenga, OU=udb, O=udb, L=San Salvador, ST=San Salvador, C=sv correct?
  [no]:  yes

Generating 2,048 bit RSA key pair and self-signed certificate (SHA384withRSA) with a validity of 10,000 days
for: CN=Alvarenga, OU=udb, O=udb, L=San Salvador, ST=San Salvador, C=sv
[Storing my-upload-key.keystore]
```

```
warn From React Native 0.72, your metro.config.js file should extend 'react-native/metro-config'. Please see the React Native 0.72 changelog, or copy the template at:
https://github.com/facebook/react-native/blob/main/packages/react-native/template/metro.config.js
warn Falling back to internal defaults.
Welcome to Metro v0.76.7
Fast - Scalable - Integrated

info Writing bundle output to: android/app/src/main/assets/index.android.bundle
info Done writing bundle output
info Copying 3 asset files
info Done copying assets
PS C:\Users\UDB\Desktop\cars>
```

```
C:\Users\MINEDUCT\Desktop\Repositorios\GuiLabDPS\guia04\Procedimiento\cars\android>gradlew assembleRelease --no-daemon
To honour the JVM settings for this build a single-use Daemon process will be forked. See https://docs.gradle.org/8.0.1/userguide/gradle_daemon.html#sec:disabling_the_daemon.

FAILURE: Build failed with an exception.

* What went wrong:
Unable to start the daemon process.
This problem might be caused by incorrect configuration of the daemon.
For example, an unrecognized jvm option is used.
Please refer to the User Manual chapter on the daemon at https://docs.gradle.org/8.0.1/userguide/gradle_daemon.html
Process command line: C:\Program Files (x86)\Java\jre-1.8\bin\java.exe -XX:MaxMetaspaceSize=512m -Xmx2048m -Dfile.encoding=windows-1252 -Duser.country=US -Duser.language=en -Duser.variant -cp C:\Users\MINEDUCT\gradle\wrapper\dists\gradle-8.0.1-all\aro4hu1c3oeioove7l0i4i14o\gradle-8.0.1\lib\gradle-launcher-8.0.1.jar org.gradle.launcher.daemon.bootstrap.GradleDaemon 8.0.1
Please read the following process output to find out more:
-----
Error occurred during initialization of VM
Could not reserve enough space for 2097152KB object heap

* Try:
> Run with --stacktrace option to get the stack trace.
> Run with --info or --debug option to get more log output.
> Run with --scan to get full insights.

* Get more help at https://help.gradle.org

C:\Users\MINEDUCT\Desktop\Repositorios\GuiLabDPS\guia04\Procedimiento\cars\android>gradlew assembleRelease --no-daemon --stacktrace
```

## Explicación: Generar APK

Como se puede observar en la imagen como en los archivos del proyecto, no se pudo generar la apk con gradle, ya que mi computadora no posee la capacidad de ejecutar Android estudio, se probó diferentes configuraciones hasta instalar gradle por separado y no funciona por la capacidad de mi Laptop, esa es la razón por la que no se encuentra la apk correspondiente.