SUP'COM
Ecole Supérieure des Communications de Tunis

# Mobile project


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Ahmed Soyah
Hbib Jlejla


class : INDP2-E

A.U : 2022-2023

# PLAN

1. **Mobile Development Importance**
2. **Topic of the project / Reasons**
3. **Technologies used**
4. **Steps for installing**
5. **“Hello World” Code**

# 1-Mobile Development Importance :

**HOW MUCH DO WE SPEND ON OUR PHONE ?**

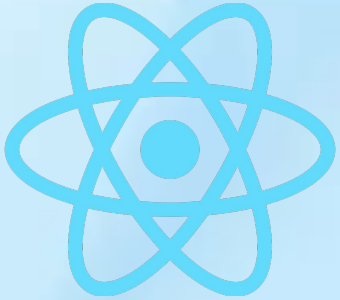
- Marketing
- Social Media integration as a marketing tool
- Facilates Client’s Feedback
- Reaches a worldwide audience

# 2- Topic :

## Why choosing Medication Reminder ?

we are in a phase of digital revolution, which began several years ago decades with the arrival of the Internet, and more recently with smartphones that have completely changed our lives without our realizing it. General medicine seems spared for the moment, current practice has changed little. The cards have certainly been replaced by computers, and the Internet is part of the daily life of the doctor, but overall the consultations always take place in the same way as there is 50 years, when the monopoly of information and decisions belonged to doctors. Patients have seen their habits and aspirations change, they are no longer content to be spectators of their care, they become more and more actors thanks to access to information, which is no longer held by omniscient and paternalistic doctors alone. Gradually, new digital technologies promise them consultations at distance, shorter deadlines, ever closer, ever simpler. The advent of smartphones has changed the game by allowing any user to obtain data or parameters on his health, or even consult, without having to go to the doctor.

# 3.Technologies Used:



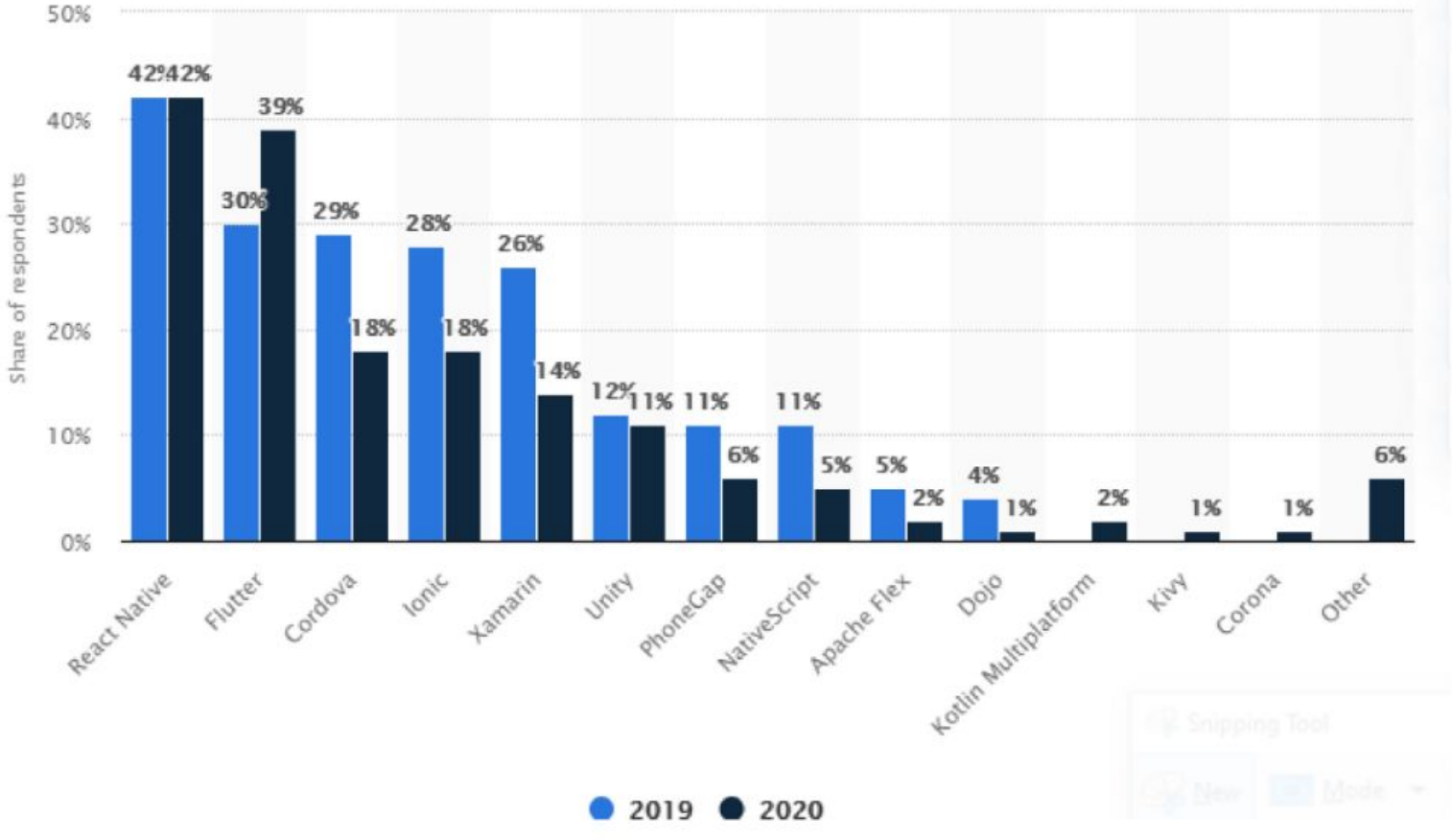
## Front-end

### A- React Native :

React Native is an open-source JavaScript framework developed by Facebook. It is used for developing a real, native mobile application for both Android and iOS platforms. It is a JavaScript framework that builds upon the React library to create mobile apps with a single codebase. It uses native components rather than using web components as building blocks. It has a cross-platform feature, which allows you to write code once and can run on any platform. It saves your development time as it will enable you to build apps by using a single language JavaScript for both Android and iOS platforms.

# Flutter vs React Native

| | Flutter | React Native |
|---|---|---|
| Initial release | 2017 | 2015 |
| UI components | Proprietary widgets | OS native components |
| Language | Dart | JavaScript |
| Stateful hot reloading | Yes | Yes |
| Native look and feel | ★★★☆☆ | ★★★★★ |
| Speed | ★★★☆☆ | ★★★★☆ |
| Industry adoption | ★☆☆☆☆ | ★★★★★ |
| Documentation | ★★★★★ | ★★★☆☆ |
| Community | ★★★★☆ | ★★★★★ |
| Configuration and setup | ★★★★★ | ★★★☆☆ |
| Tooling | ★★★☆☆ | ★★★★★ |
| Hardware-specific APIs | ★★★★☆ | ★★★★☆ |
| Lifecycle management | ★★★☆☆ | ★★★★★ |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React Native
Flutter
Cordova
Ionic
Xamarin
Unity
PhoneGap
NativeScript
Apache Flex
Dojo
Kotlin Multiplatform
Kivy
Corona
Other
2019
2020

## B-Text Editor :

- Android Studio
- Visual Studio Code

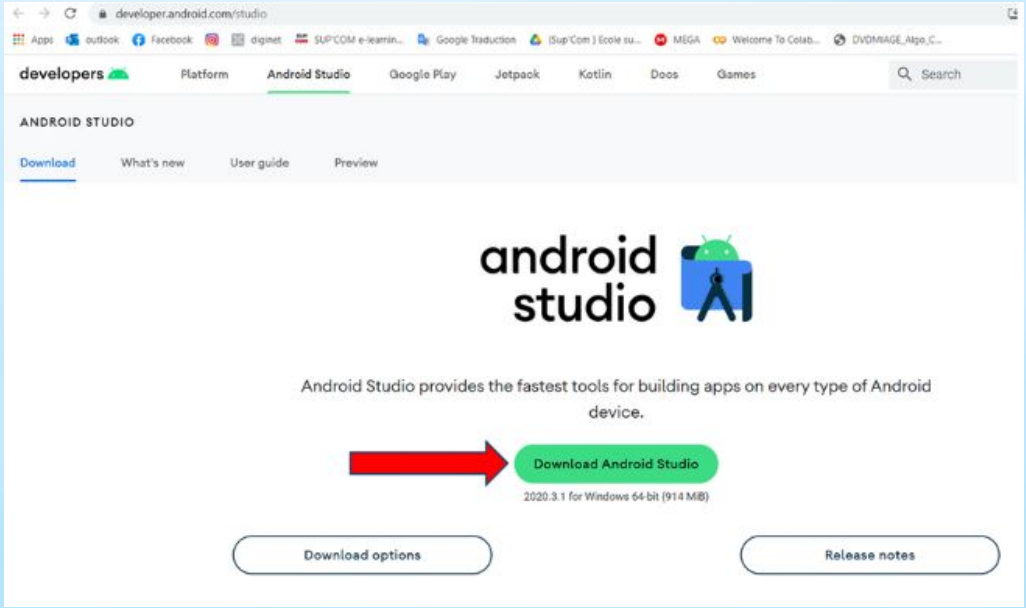
# Back-end

**Spring boot**

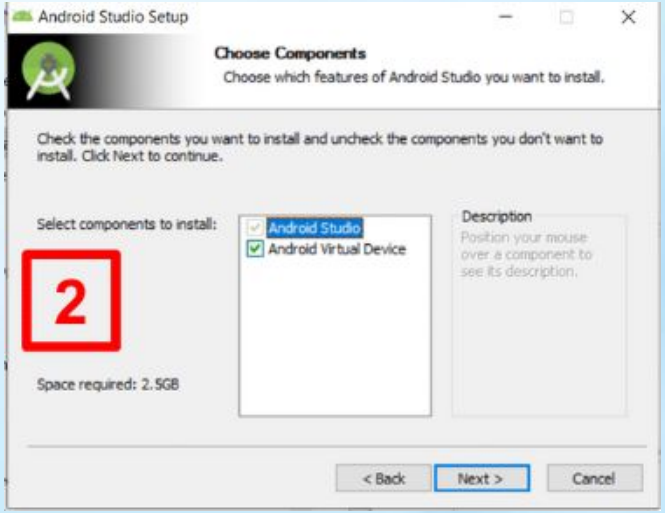
**Java**

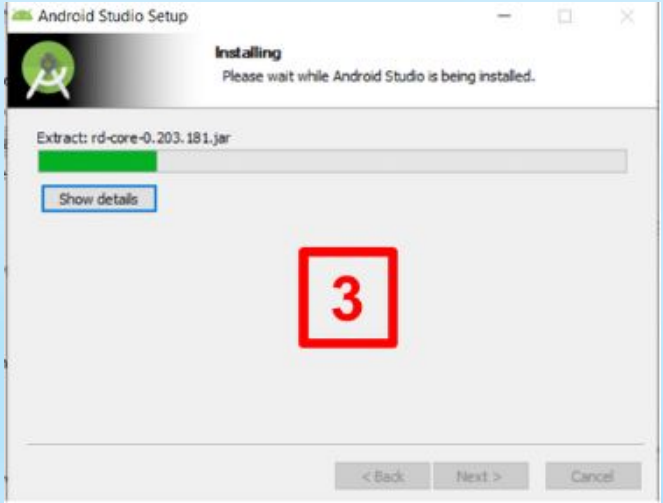
# 4- Steps for installing :

Download and installing Android Studio :



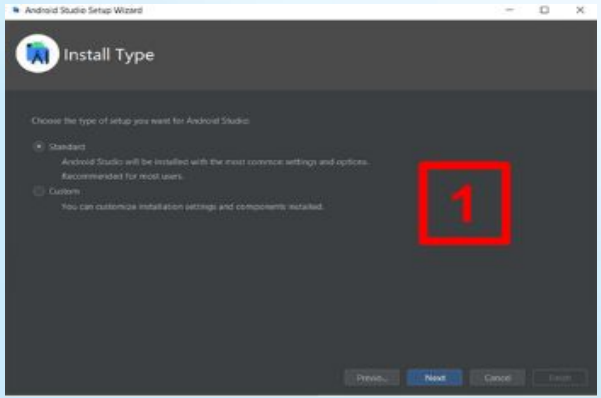
Android Studio Setup
1
Welcome to Android Studio Setup
Setup will guide you through the installation of Android Studio.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
Android Studio
< Back
Next >
Cancel

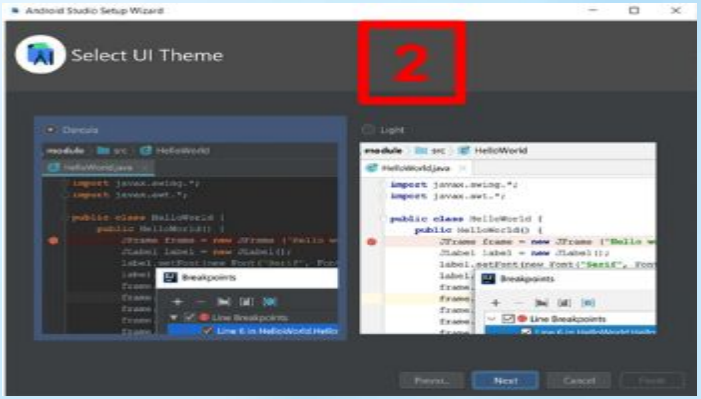

Android Studio Setup
Choose Components
Choose which features of Android Studio you want to install.
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select components to install:
Android Studio
Android Virtual Device
Description
Position your mouse over a component to see its description.
2
Space required: 2.5GB
< Back
Next >
Cancel

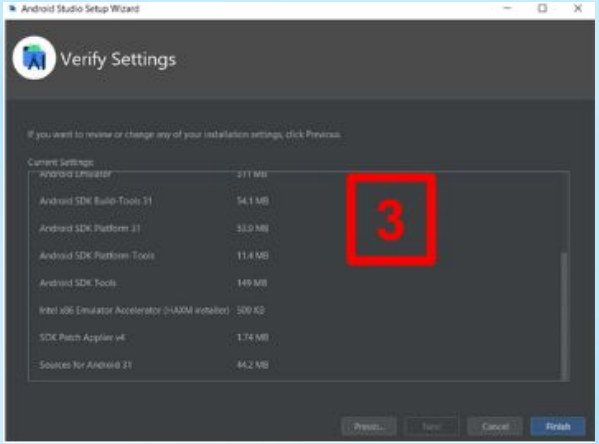

Android Studio Setup
Installing
Please wait while Android Studio is being installed.
Extract: rd-core-0.203.181.jar
Show details
3
< Back
Next >
Cancel

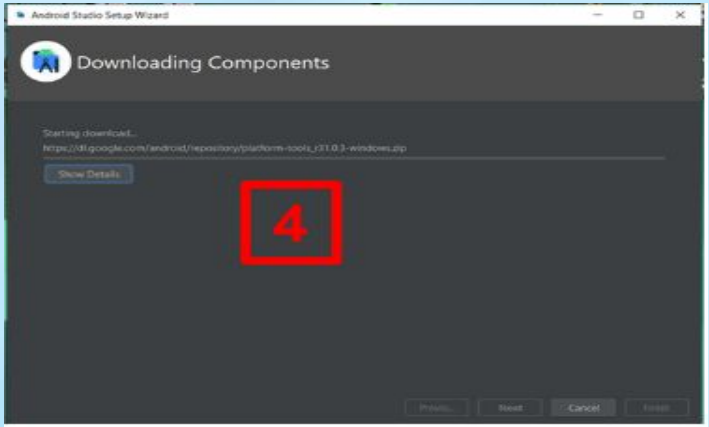
Android Studio Setup
Android Studio
Completing Android Studio Setup
Android Studio has been installed on your computer.
Click Finish to close Setup.
Start Android Studio
4
< Back
Finish
Cancel

# Continue with the installation Wizard :

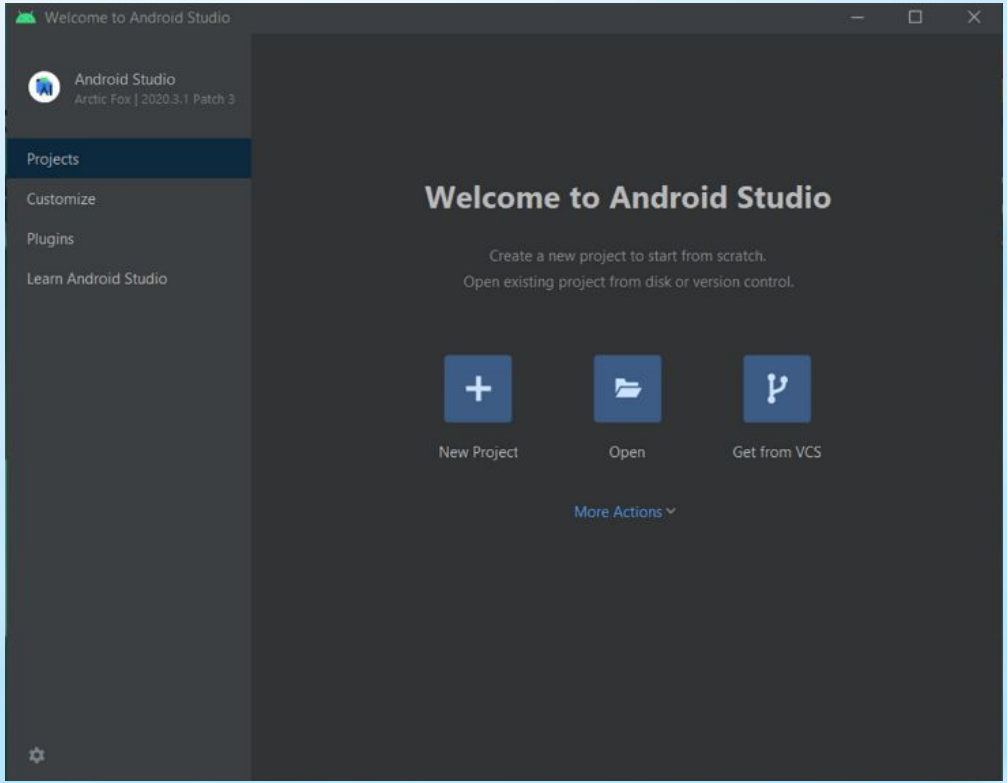


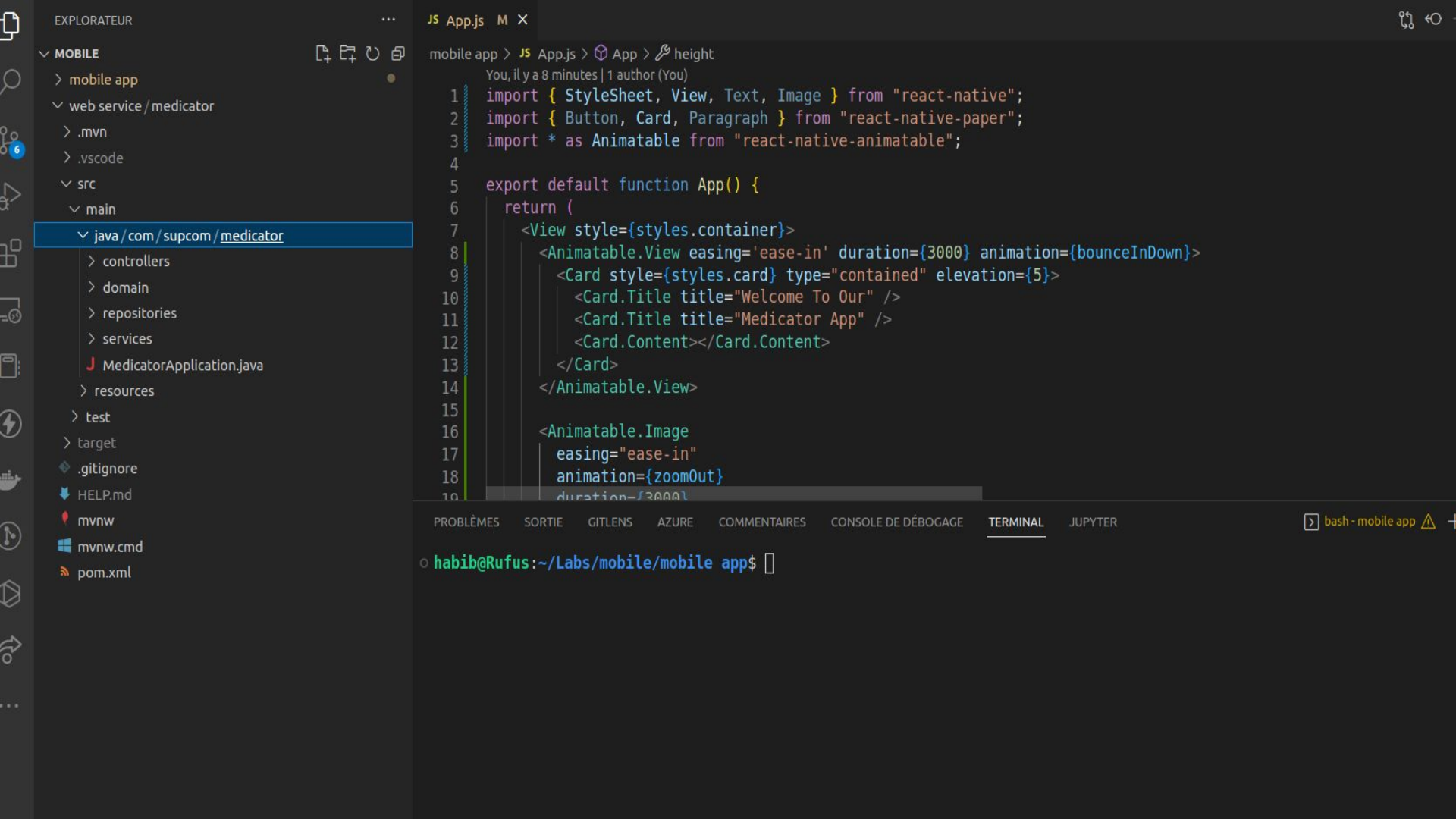



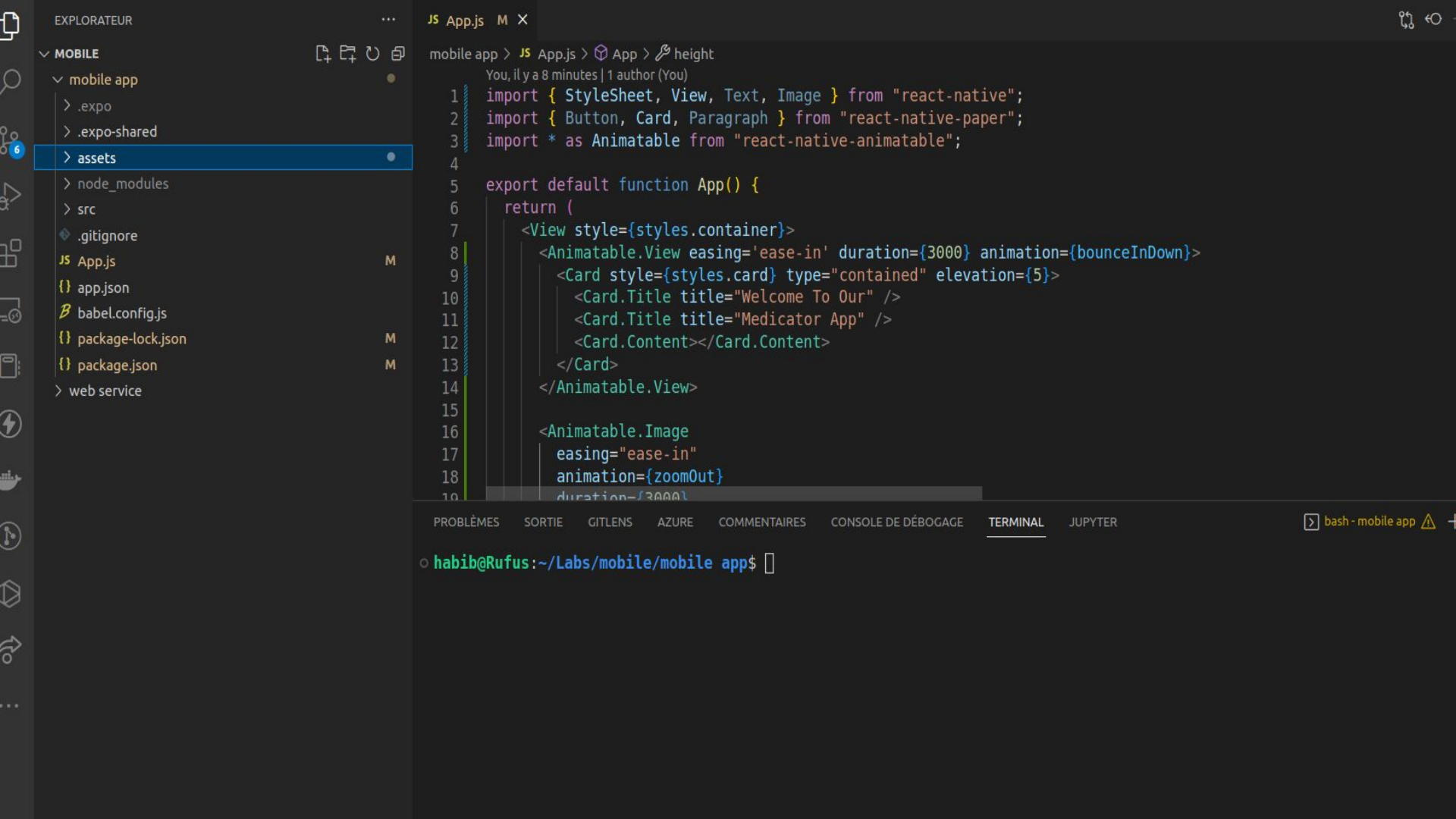



Once the setup is complete you will get this interface :



# React Native installation :


EXPLORATEUR
MOBILE
mobile app
web service / medicator
.mvn
.vscode
src
main
java / com / supcom / medicator
controllers
domain
repositories
services
MedicatorApplication.java
resources
test
target
.gitignore
HELP.md
mvnw
mvnw.cmd
pom.xml
App.js M
mobile app > App.js > App > height
You, il y a 8 minutes | 1 author (You)
import { StyleSheet, View, Text, Image } from "react-native";
import { Button, Card, Paragraph } from "react-native-paper";
import * as Animatable from "react-native-animatable";
export default function App() {
return (
<View style={styles.container}>
<Animatable.View easing='ease-in' duration={3000} animation={bounceInDown}>
<Card style={styles.card} type="contained" elevation={5}>
<Card.Title title="Welcome To Our" />
<Card.Title title="Medicator App" />
<Card.Content></Card.Content>
</Card>
</Animatable.View>
<Animatable.Image
easing="ease-in"
animation={zoomOut}
duration={3000}
PROBLÈMES
SORTIE
GITLENS
AZURE
COMMENTAIRES
CONSOLE DE DÉBOGAGE
TERMINAL
JUPYTER
bash - mobile app
habib@Rufus:~/Labs/mobile/mobile app$


EXPLORATEUR
MOBILE
mobile app
.expo
.expo-shared
assets
node_modules
src
.gitignore
App.js M
app.json
babel.config.js
package-lock.json M
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import { StyleSheet, View, Text, Image } from "react-native";
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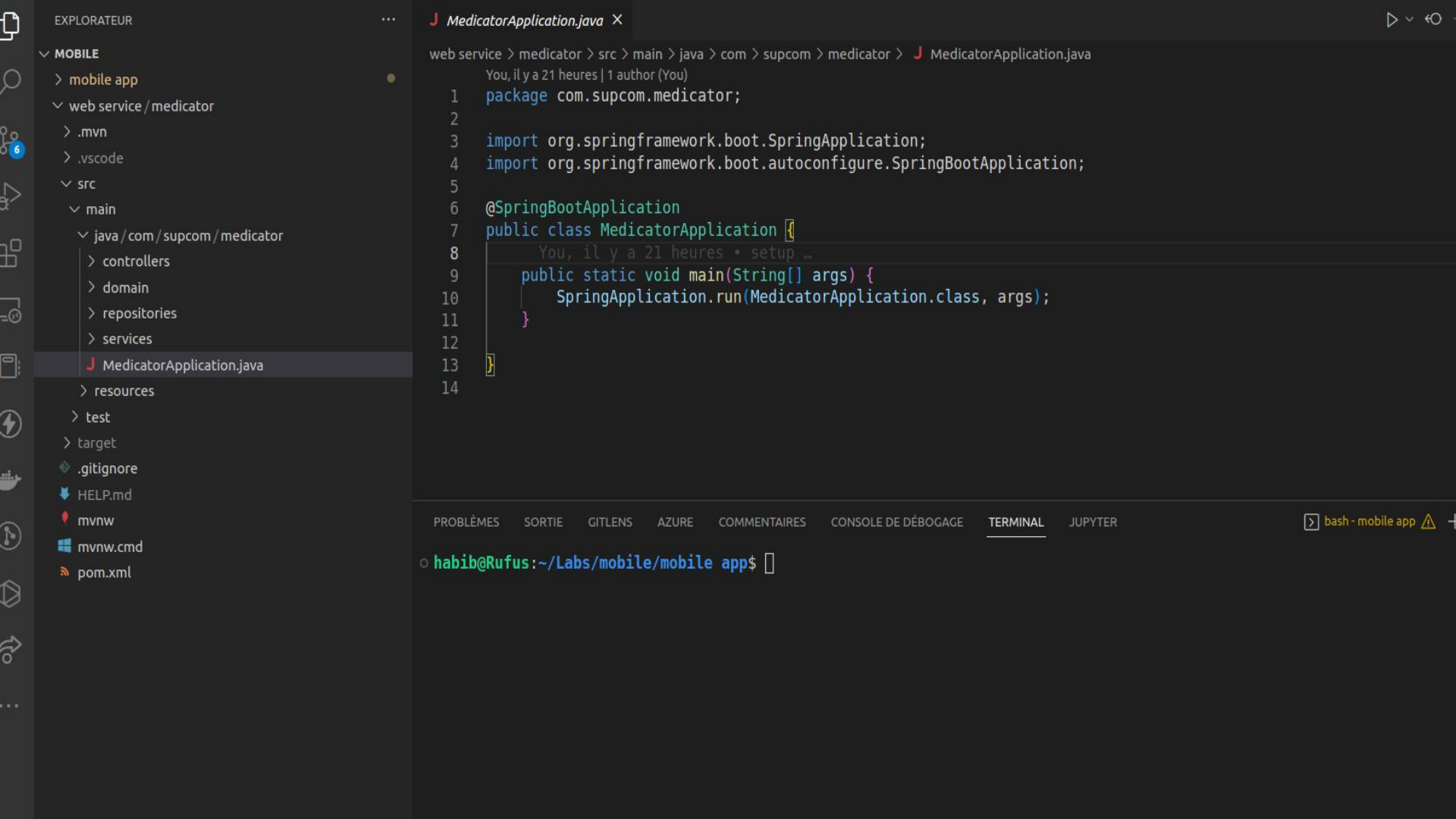
<Animatable.Image
easing="ease-in"
animation={zoomOut}
duration={3000}
PROBLÈMES
SORTIE
GITLENS
AZURE
COMMENTAIRES
CONSOLE DE DÉBOGAGE
TERMINAL
JUPYTER
bash - mobile app
habib@Rufus:~/Labs/mobile/mobile app$


EXPLORATEUR
MOBILE
mobile app
web service / medicator
.mvn
.vscode
src
main
java / com / supcom / medicator
controllers
domain
repositories
services
MedicatorApplication.java
resources
test
target
.gitignore
HELP.md
mvnw
mvnw.cmd
pom.xml
MedicatorApplication.java
web service > medicator > src > main > java > com > supcom > medicator > MedicatorApplication.java
You, il y a 21 heures | 1 author (You)
package com.supcom.medicator;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
@SpringBootApplication
public class MedicatorApplication {
You, il y a 21 heures • setup …
public static void main(String[] args) {
SpringApplication.run(MedicatorApplication.class, args);
}
}
PROBLÈMES
SORTIE
GITLENS
AZURE
COMMENTAIRES
CONSOLE DE DÉBOGAGE
TERMINAL
JUPYTER
bash - mobile app
habib@Rufus:~/Labs/mobile/mobile app$

main 2 branches 0 tags

Go to file Add file Code

**Habib-eng** setup 031aaea 21 hours ago 1 commit

| | | |
|---|---|---|
| .vscode | setup | 21 hours ago |
| mobile app | setup | 21 hours ago |
| web service/medicator | setup | 21 hours ago |

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Pending Invite

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**yomna99**

Awaiting yomna99's response

Pending Invite

Remove

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# 5-An example "Hello World"of React Native

```
1  import React from 'react';
2  import { AppRegistry, Text } from 'react-native';
3
4  const HelloWorldApp = () => {
5    return (
6      <Text>Hello world!</Text>
7    );
8  }
9  export default HelloWorldApp;
10
11 // Skip this line if using Create React Native App
12 AppRegistry.registerComponent('HelloWorld', () => HelloWorldApp);
13
14 // The ReactJS code can also be imported into another component with the following code:
15 import HelloWorldApp from './HelloWorldApp';
```