

**Project Title: expo-53-demo – A Minimal React Native Mobile App**

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**Project Overview:**

expo-53-demo is a lightweight mobile application built using React Native with Expo SDK 53. Designed for demonstration and rapid development purposes, this app runs seamlessly on Android devices via the Expo Go app.

This project serves as a boilerplate or starter template for future development, featuring basic screen navigation, component rendering, and mobile-first UI structure. It uses modern frontend technologies but does not include backend or database integration by default.

**Objectives:**

- 1. Demonstrate basic setup of a React Native app using Expo
- 2. Run the app on physical Android devices via Expo Go
- 3. Provide a working base project that can be extended with navigation, API calls, or databases

**Project Tools:**

Area	Tools
Frontend	React Native (JavaScript/TypeScript)
Runtime	EXPO SDK 53
Platform	Android (via Expo Go)
Dev Tools	Visual Studio Code, Expo CLI, Git
Package Manager	npm

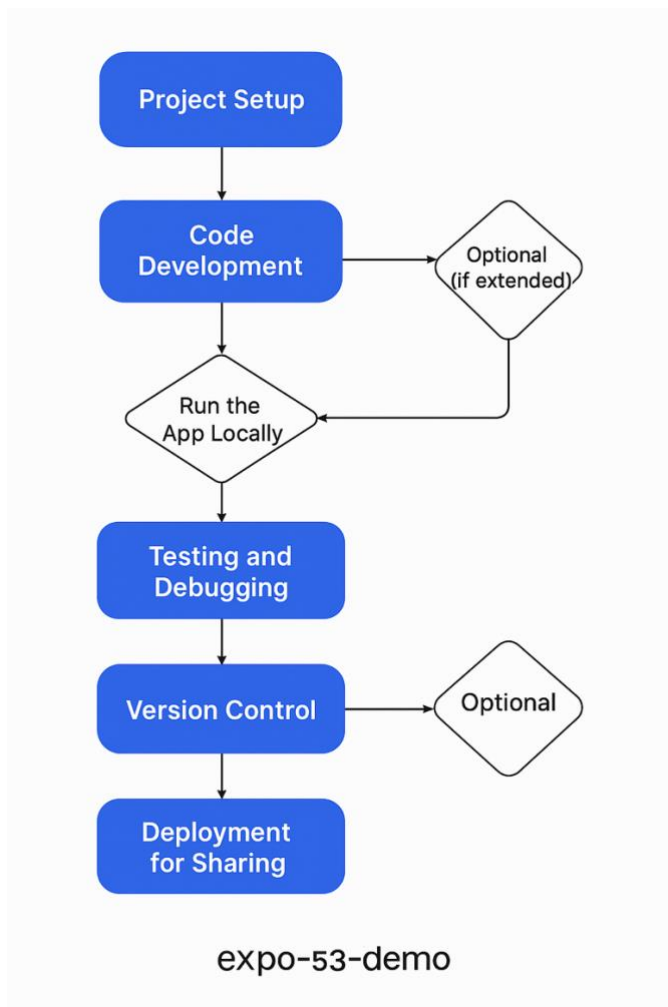
### Project Features:

1. Simple Hello World screen
2. Optional multi-screen navigation (if added)
3. Hot reloading via Expo
4. Fully working with Expo Go (Android)

### Project Limitations:

1. No backend or API integration
2. No database connectivity
3. No persistent data or auth

### Process Flow:



## Code:

Front-end code sample (HomeScreen.js)

```
import React from "react";
import {
  StyleSheet,
  Text,
  View,
  TouchableOpacity,
  ScrollView,
  Image,
} from "react-native";

export default function HomeScreen({ navigation }) {
  const features = [
    {
      name: "Camera",
      description: "Access device camera to take photos and videos",
      screen: "Camera",
    },
    {
      name: "Location",
      description: "Get current location coordinates and address",
      screen: "Location",
    },
    {
      name: "Device Sensors",
      description: "Access accelerometer, gyroscope and other device sensors",
      screen: "Sensors",
    },
    {
      name: "Image Picker",
      description: "Select images from device gallery",
      screen: "ImagePicker",
    },
  ];

  return (
    <ScrollView style={styles.container}>
      <View style={styles.header}>
```

```

<Image
  source={require("../assets/icon.png")}
  style={styles.logo}
  resizeMode="contain"
/>

<Text style={styles.title}>Expo 53 Demo</Text>
<Text style={styles.subtitle}>Explore key features of Expo SDK 53</Text>
</View>

<View style={styles.featuresContainer}>
  {features.map((feature, index) => (
    <TouchableOpacity
      key={index}
      style={styles.featureCard}
      onPress={() => navigation.navigate(feature.screen)}
    >
      <Text style={styles.featureName}>{feature.name}</Text>
      <Text style={styles.featureDescription}>{feature.description}</Text>
      <View style={styles.buttonContainer}>
        <Text style={styles.buttonText}>Explore →</Text>
      </View>
    </TouchableOpacity>
  ))}
</View>

<View style={styles.footer}>
  <Text style={styles.footerText}>Built with Expo SDK 53</Text>
</View>
</ScrollView>
);
}

```

### Testing Guide:

1. Using your mobile phone to test, download Expo Go app
2. Scan the QR code below



## Screenshots:

