
INDMO - Interface para dispositivos móveis – Aula 01

Iniciando um projeto mobile com React Native com Expo

Requisitos:

- Node JS – Versão LTS
- VSCode

1. Criar uma pasta para o projeto:

- Criar uma pasta para o projeto com o nome aula01;
- Abrir a pasta criada com o VSCode;

2. Abrir o terminal na pasta:

- `npm install --global expo` (ignorar os avisos sobre os pacotes obsoletos)

```
PS H:\SENAI\3semestre\IDMO\aulas\aula01> npm install --global expo
npm WARN deprecated @npmcli/move-file@1.1.2: This functionality has been moved to @npmcli/fs
npm WARN deprecated @babel/plugin-proposal-export-namespace-from@7.18.9: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-export-namespace-from instead.
npm WARN deprecated @babel/plugin-proposal-optional-catch-binding@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optional-catch-binding instead.
npm WARN deprecated @babel/plugin-proposal-nullish-coalescing-operator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-nullish-coalescing-operator instead.
npm WARN deprecated @babel/plugin-proposal-class-properties@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-class-properties instead.
npm WARN deprecated @babel/plugin-proposal-numeric-separator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-numeric-separator instead.
npm WARN deprecated @babel/plugin-proposal-optional-chaining@7.21.0: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optional-chaining instead.
npm WARN deprecated @babel/plugin-proposal-object-rest-spread@7.20.7: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-object-rest-spread instead.
npm WARN deprecated @babel/plugin-proposal-async-generator-functions@7.20.7: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-async-generator-functions instead.
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.

changed 715 packages in 35s

70 packages are looking for funding
  run `npm fund` for details
PS H:\SENAI\3semestre\IDMO\aulas\aula01>
```

3. Criar aplicação Expo:

- `npx create-expo-app aloMundo`

```
PS H:\SENAI\3semestre\IDMO\aulas\aula01> npx create-expo-app aloMundo
✓ Downloaded and extracted project files.
> npm install
```

4. Instalar dependências

Para rodar o projeto na web (navegador), precisamos instalar as seguintes dependências que ajudarão a rodar o projeto:

- `npx expo install react-dom react-native-web @expo/webpack-config`

5. Iniciar o projeto:

- `npx expo start`

```
PS H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo> npx expo start
Starting project at H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo
Starting Metro Bundler
```



```
> Metro waiting on exp://192.168.1.89:8081
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

> Using Expo Go
> Press s | switch to development build

> Press a | open Android
> Press w | open web

> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> Press o | open project code in your editor

> Press ? | show all commands

Logs for your project will appear below. Press Ctrl+C to exit.
```

6. Executando seu aplicativo React Native:

Instale o aplicativo **Expo Go** em seu telefone iOS ou Android e conecte-se à mesma rede sem fio do seu computador. No Android, use o aplicativo **Expo Go** para escanear o código QR do seu terminal para abrir seu projeto. No iOS, use o leitor de código QR integrado do aplicativo iOS Câmera padrão.

- Para executar no navegador pressione a tecla w

Opção para executar o aplicativo utilizando Hotspot móvel:

Nas configurações do Windows,

- Navegue até Rede e Internet,
- Localize a opção Hotspot móvel,
- Habilite-a e conecte seu dispositivo mobile,

No VSCode:

Execute normalmente o app com o código:

- `npx expo start`
- Escaneie o QR code.

Opção para executar o aplicativo em redes diferentes:

Para executar sem estar conectado na mesma rede é necessário instalar um pacote para criação de um túnel:

```
PS H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo> npx expo start --tunnel
Starting project at H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo
Starting Metro Bundler
✓ The package @expo/ngrok@4.1.0 is required to use tunnels, would you like to install it globally? ... yes
Installing @expo/ngrok@4.1.0...
> npm install --global @expo/ngrok@4.1.0
Installed @expo/ngrok@4.1.0
Tunnel connected.
Tunnel ready.
```

```
PS H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo> npx expo start --tunnel
Starting project at H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo
Starting Metro Bundler
Tunnel connected.
Tunnel ready.
```



```
> Metro waiting on exp://mkrwmxq.anonymous.8081.exp.direct
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

> Using Expo Go
> Press s | switch to development build

> Press a | open Android
> Press w | open web

> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> Press o | open project code in your editor

> Press ? | show all commands

Logs for your project will appear below. Press Ctrl+C to exit.
```

No aplicativo do seu celular, conectar digitando manualmente a URL:

<exp://mkrwmxq.anonymous.8081.exp.direct>

```
PS H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo> npx expo start --tunnel
Starting project at H:\SENAI\3semestre\IDMO\aulas\aula01\aloMundo
Starting Metro Bundler
Tunnel connected.
Tunnel ready.
```



```
> Metro waiting on exp://mkrwmxq.anonymous.8081.exp.direct
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

> Using Expo Go
> Press s | switch to development build

> Press a | open Android
> Press w | open web

> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> Press o | open project code in your editor

> Press ? | show all commands

Logs for your project will appear below. Press Ctrl+C to exit.
Android Bundling complete 4236ms
Android Bundling complete 61ms
```

Mensagem exibida se o carregamento se a conexão e carregamento do app forem realizadas com sucesso.