

Consumir API no Expo React Native

npx create-expo-app@latest

nome do projeto: **scheduler-api-app**

Prepare o ambiente removendo os diretórios e arquivos não utilizados, e recriando a estrutura dentro do diretório **src**. (Não esqueça de modificar o arquivo **tsconfig.json**)

layout.tsx

```
import {Slot} from "expo-router"

export default function layout(){
  return (
    <>
      <Slot />
    </>
  );
}
```

/hook/useApi.js

```
export function useApi(){

  async function listAll(){
    try {
      const response = await
        fetch('<http://192.168.6.56:8000/api/tasks>');
      const json = await response.json();
      return json;
    } catch (error){
      console.error(error);
    }
  }

  async function addTask(dataTask){
    try{
      const response = await
        fetch('<http://192.168.6.56:8000/api/task/add>',{
          method:"POST",
          headers: {
            "Content-Type": "application/json",
          },
          body: JSON.stringify({
            "description": dataTask.description,
            "date": dataTask.date,
            "user_id": 1
          }),
        });

      const data = await response.json();
    }
  }
}
```

```

    }catch(error){
      console.log(error);
    }
  }

  return { listAll, addTask };
}

```

Trabalhando em nossas telas

app/index.tsx

```

import { Link } from "expo-router";
import { Text, View } from "react-native";

export default function Home(){
  return(
    <View>
      <Text>Iniciando Com API</Text>
      <Link href="/tasks">Listar as Tarefas</Link>
      <Link href="/addTask">Adicionar nova Tarefas</Link>
    </View>
  );
}

```

/tasks/index.tsx

```

import { useEffect, useState } from "react";
import { FlatList, Text, View } from "react-native";
import { useApi } from '@hook/useApi'

export default function Tasks(){
  const [tasks, setTasks] = useState([]);

  const api = useApi();

  async function getTasks(){
    const tasks = await api.listAll();
    console.log(tasks);

    setTasks(tasks);
  }

  useEffect(()=>{
    getTasks();
  }, []);

  return(
    <View>
      <Text>Listando Tarefas</Text>

      <FlatList
        //className="bg-indigo-950 w-full p-2"
        data={tasks}
        keyExtractor={(item)=>String(item.id)}
      >
    </View>
  );
}

```

```

        renderItem={({item})=>
          <View /*className="flex-row justify-between"*/>
            <Text /*className="text-indigo-100"*/>
              {item.id} - {item.description} - {item.date}
            </Text>
          </View>
        }
      </>
    </View>
  );
}

```

addTask/index.tsx

```

import { useApi } from "@/hook/useApi";
import { useState } from "react";
import { Button, Text, TextInput, View } from "react-native";

export default function AddTask(){
  const api = useApi();

  const [description,setDescription] = useState("");
  const [date,setDate] = useState("");
  const [user_id,setUserId] = useState(1);

  async function saveData(){
    await api.addTask({description, date});
  }

  return(

    <View>
      <Text>Adicionando Tarefa</Text>

      <TextInput value={description} onChangeText={setDescription} placeholder="Descricao"/>
      <TextInput value={date} onChangeText={setDate} placeholder="Data" />

      <Button title="Mandar" onPress={()=>saveData()} />
    </View>
  );
}

```