**API REST NODE JS**

01 – Entendendo o typescript

Instalar npm I -D typescript e depois executar o comando npx tsc –init para criar o arquivo tsconfig.json e colocar o target para 2020



E para converter o código em js npx tsc src/index.ts



02 – Criando a aplicação

Instalar npm i fastify e também instalar npm install -D @types/node e npm install tsx -D





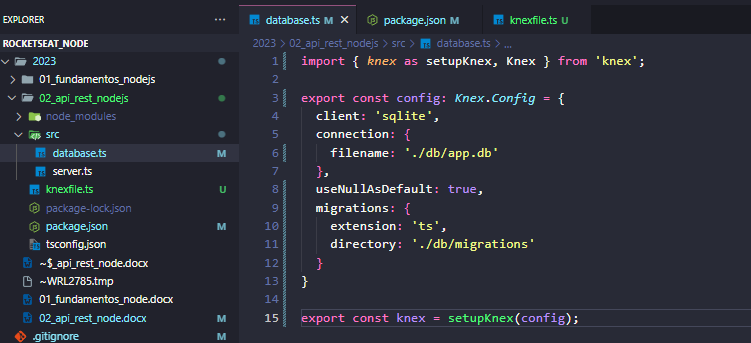
03 – Configurando o knex

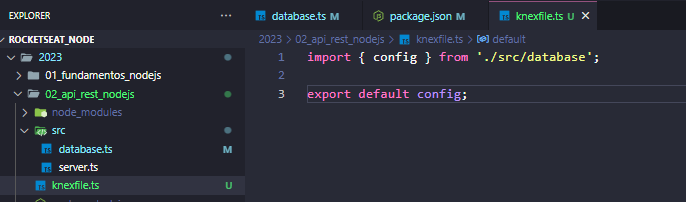
Instando o knex npm install knex sqlite3

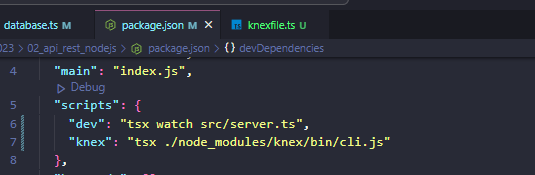


04 – Criando primeira migration

Instalar npm install -g knex

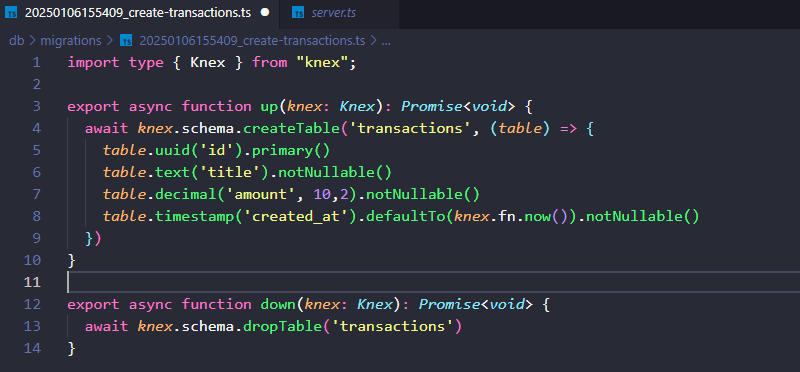






Comando para iniciar a migration npm run knex migrate:make create-documents

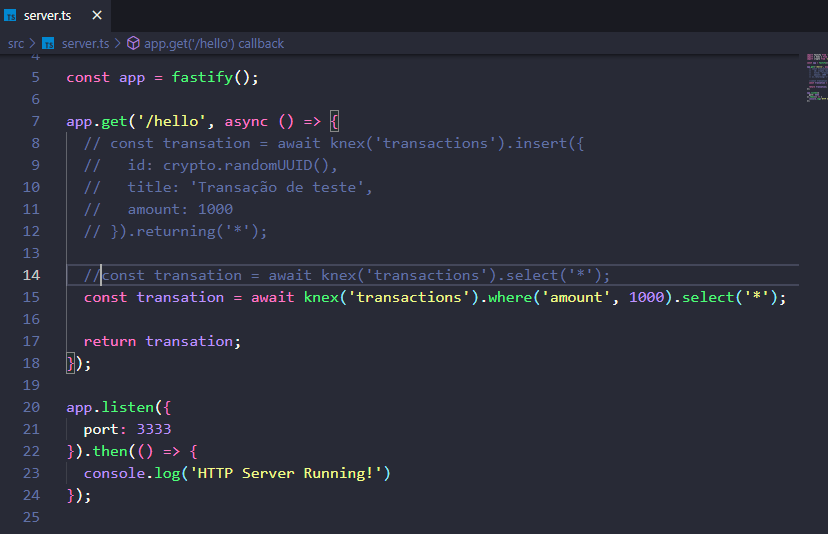
05 - Criando tabela de transações



Depois rodar o comando npm run knex – migrate:latest desfazer a migration npm run knex – migrate:rollback

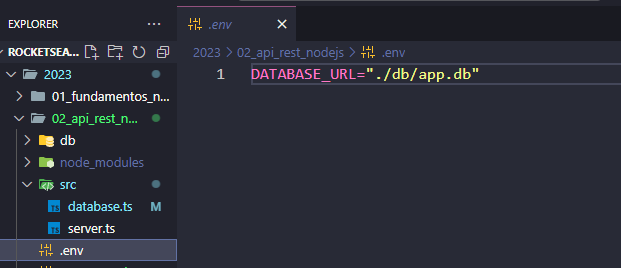


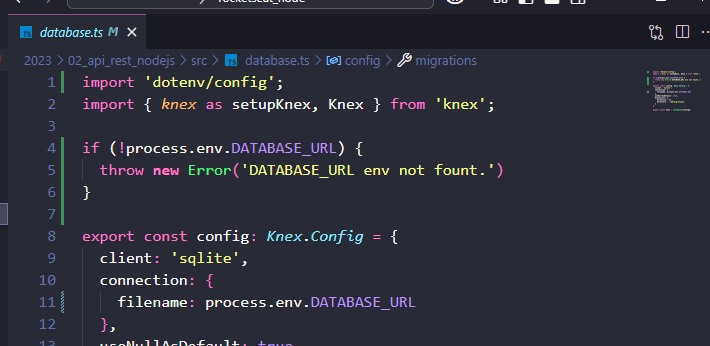
06 – Realizando queries com o knex



07 – Variáveis de ambiente

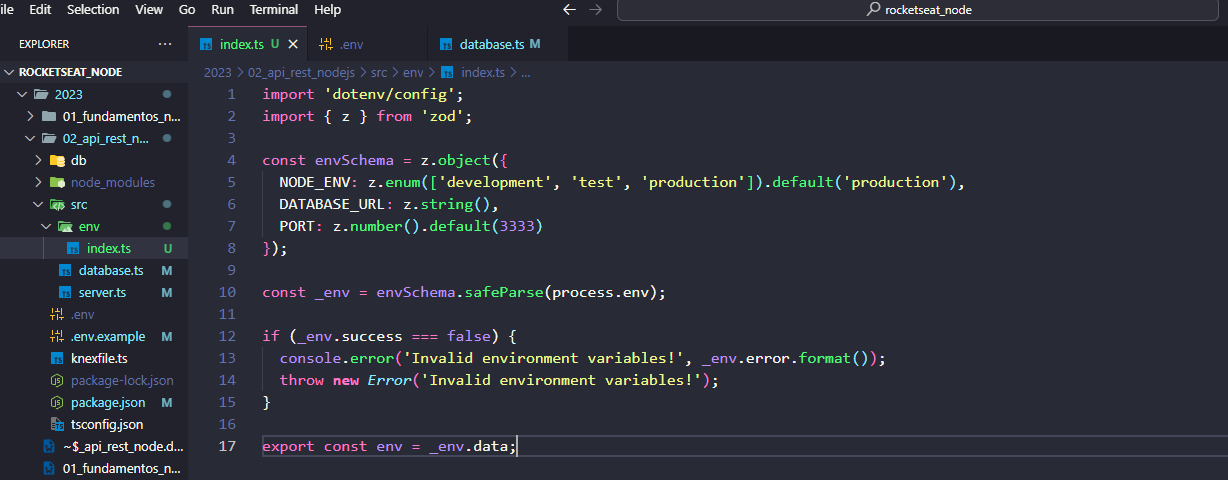
Instalar npm i dotenv

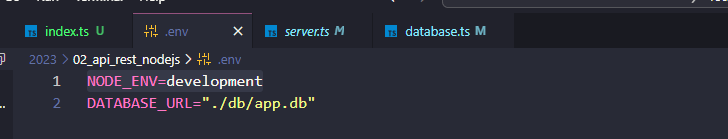
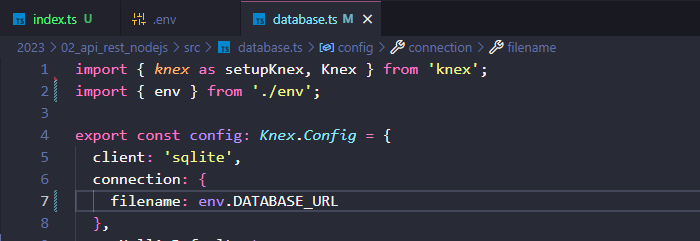




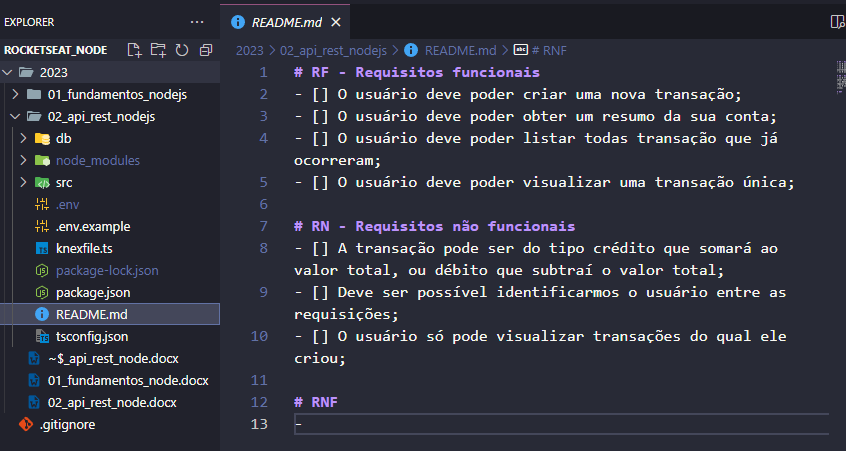
08 - Tratando env com zod

Instalar npm i zod

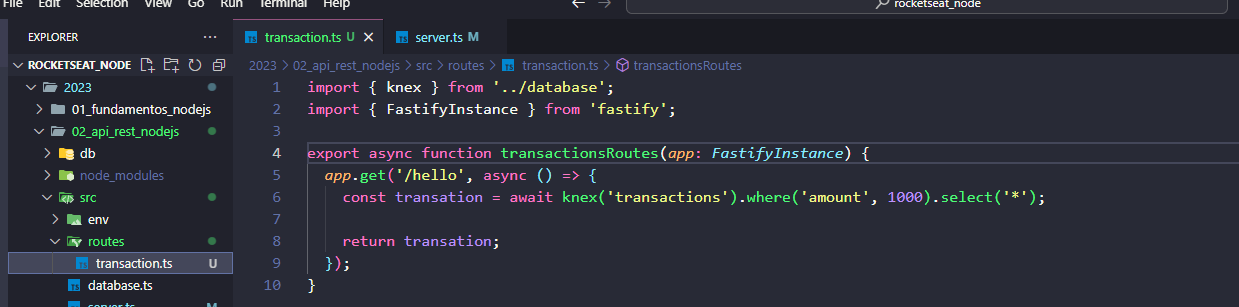


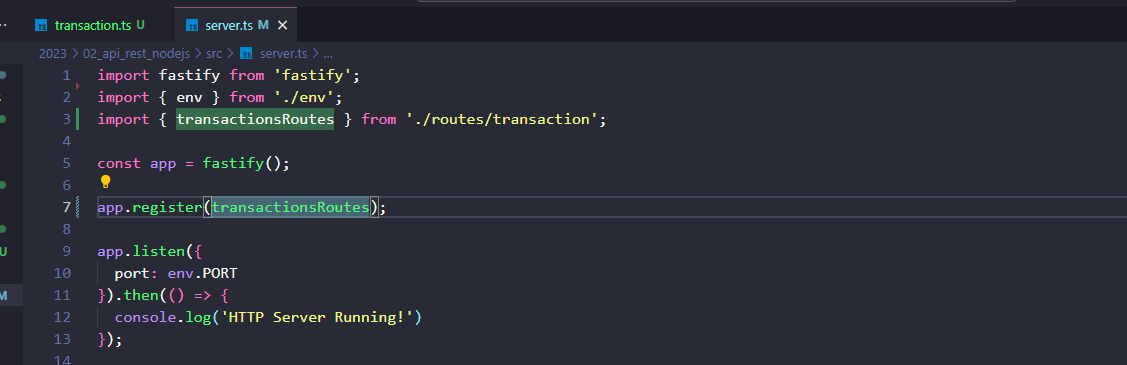


09 – Requisitos da aplicação

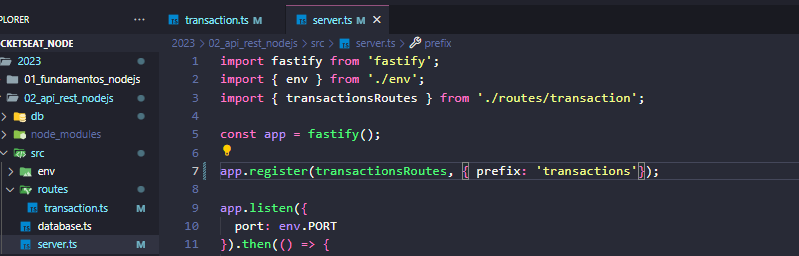


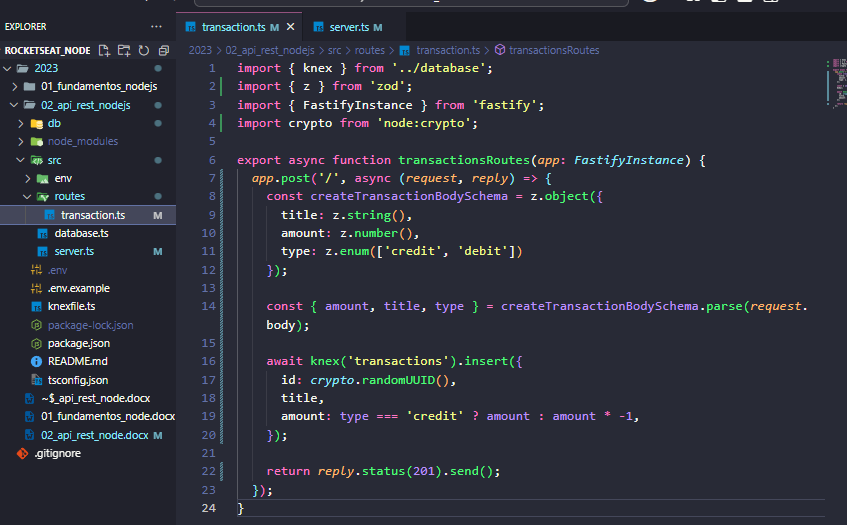
10 – Plugin do fastify



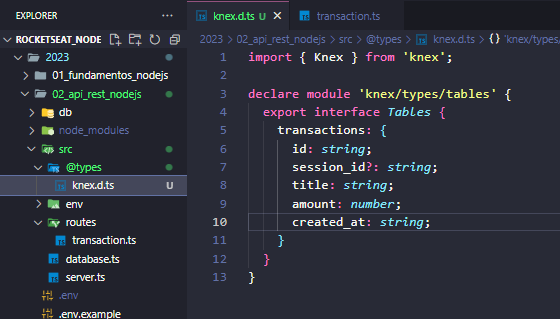


11 – Criação de transação

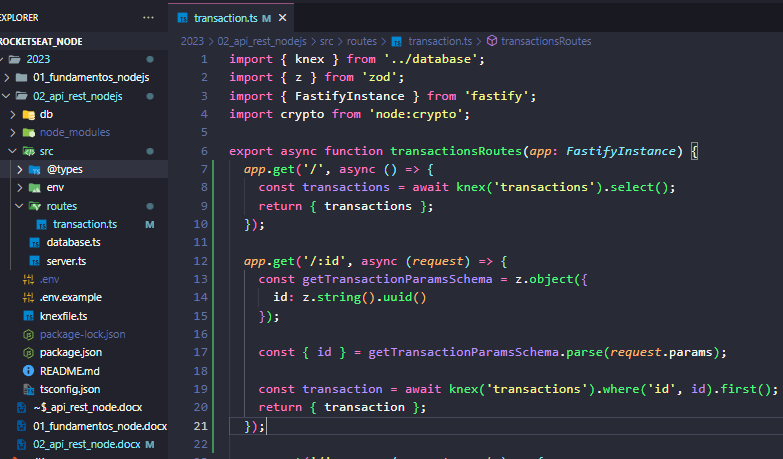




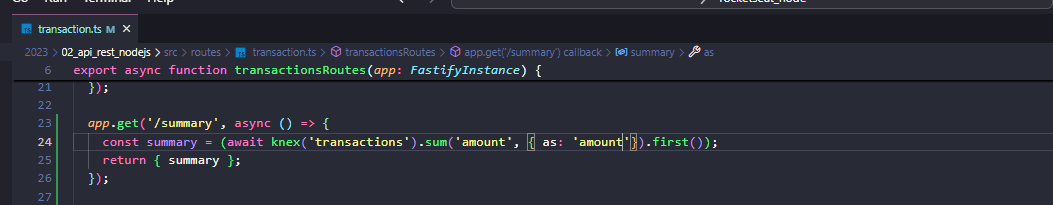
12 - Tipagem do knex



13 – Listagem das transações

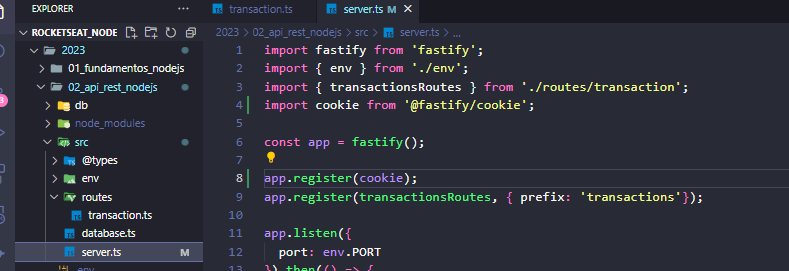


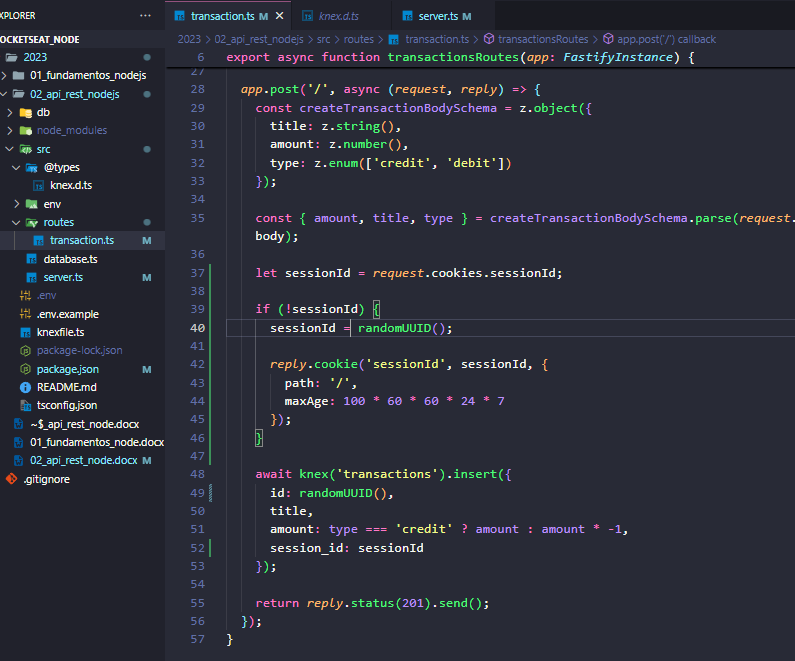
14 – Resumo de transações



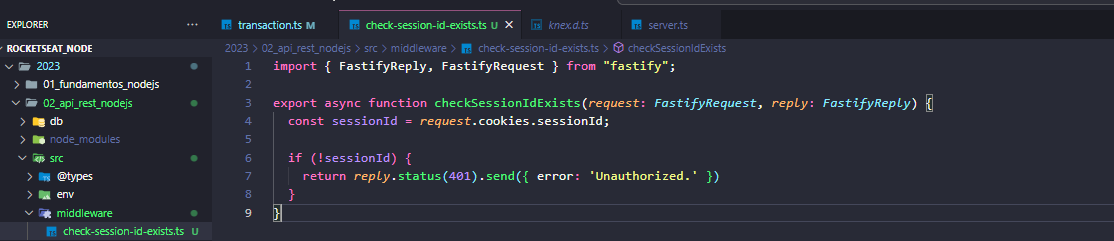
15 – Utilizando cookies no fastify

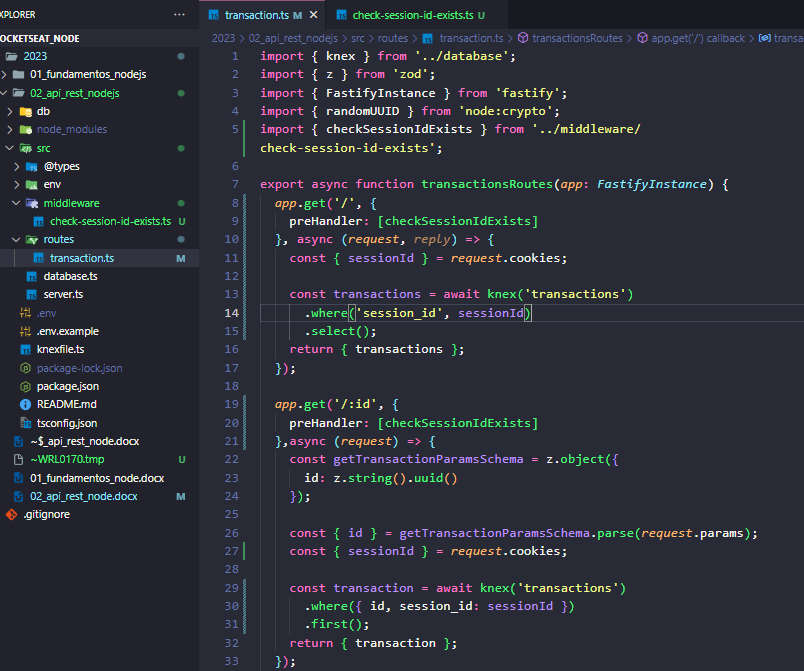
Instalar npm i @fastify/cookie



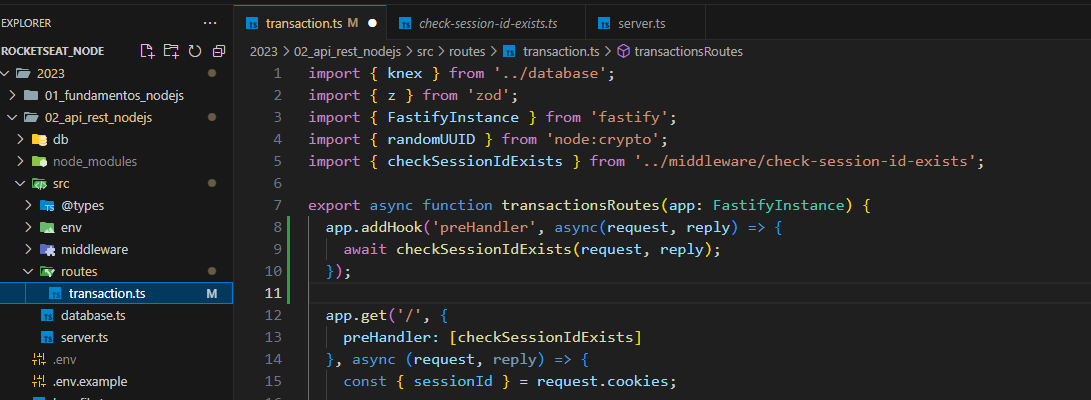


16 – Validando existência do cookie



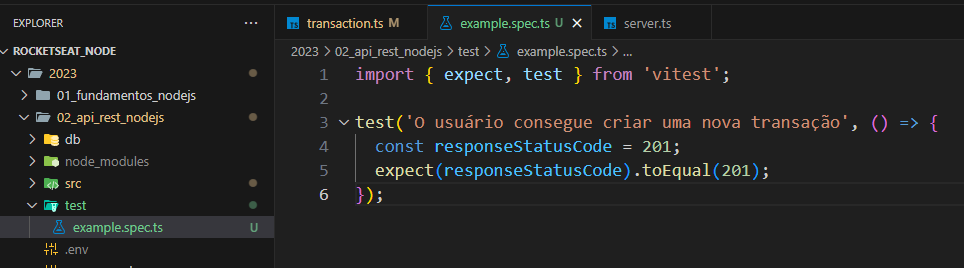


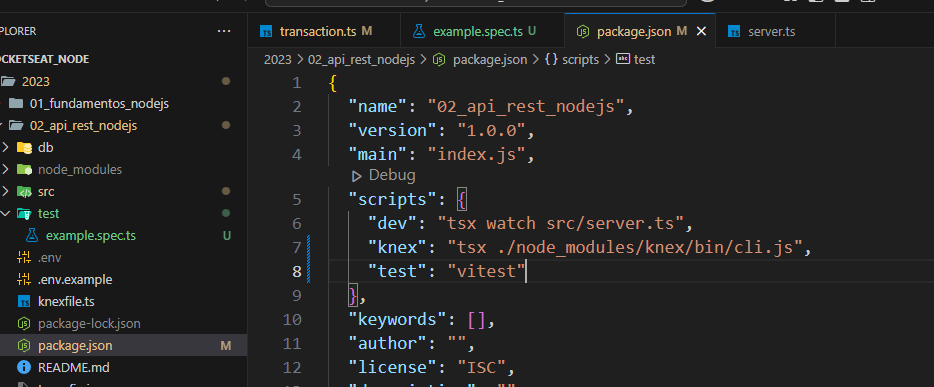
17 – Configurando um hook global



18 – Criando primeiro teste

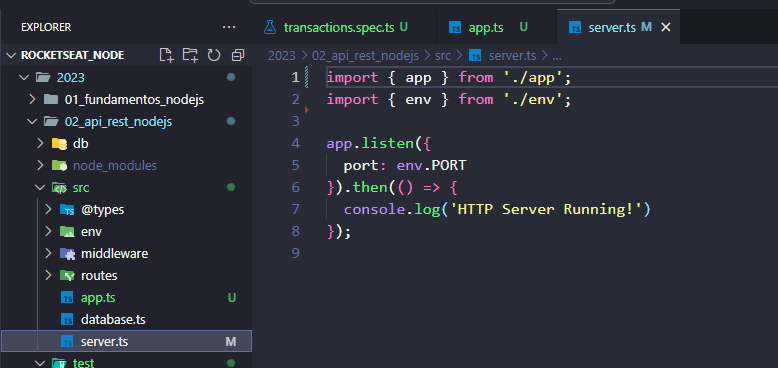
Instalar o npm i vitest -D

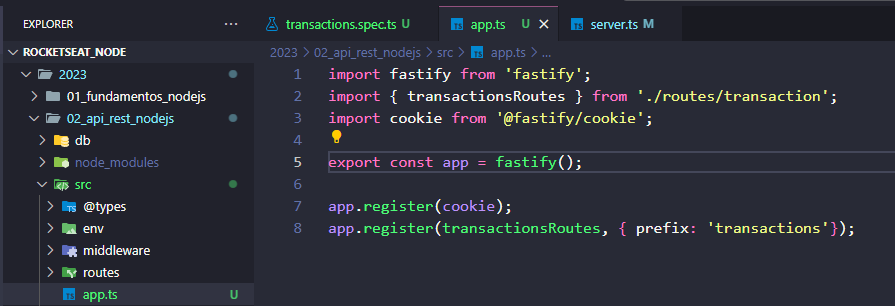




19 - Testando criação de transação

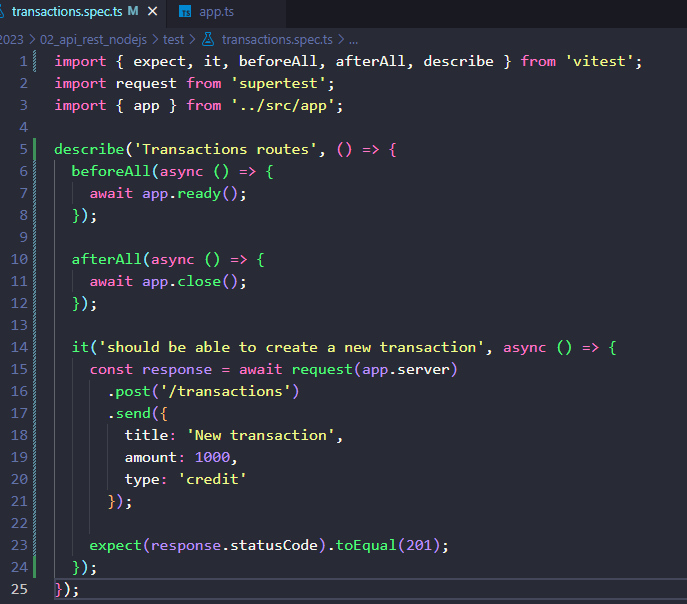
Instalar o npm i supertest -D e depois npm i @types/supertest -D



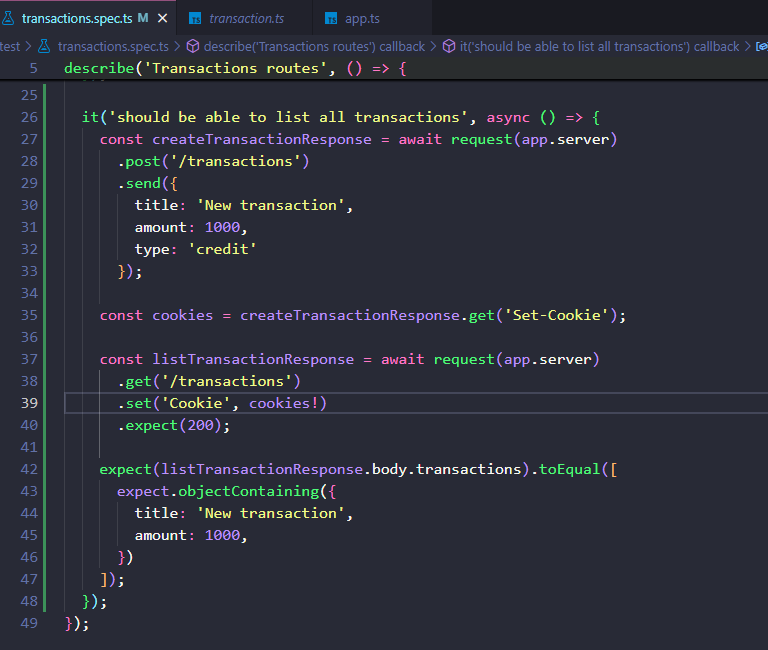




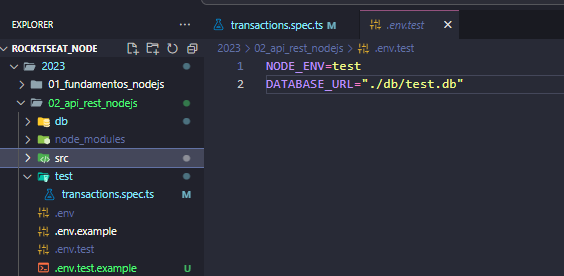
20 - Categorizando os testes

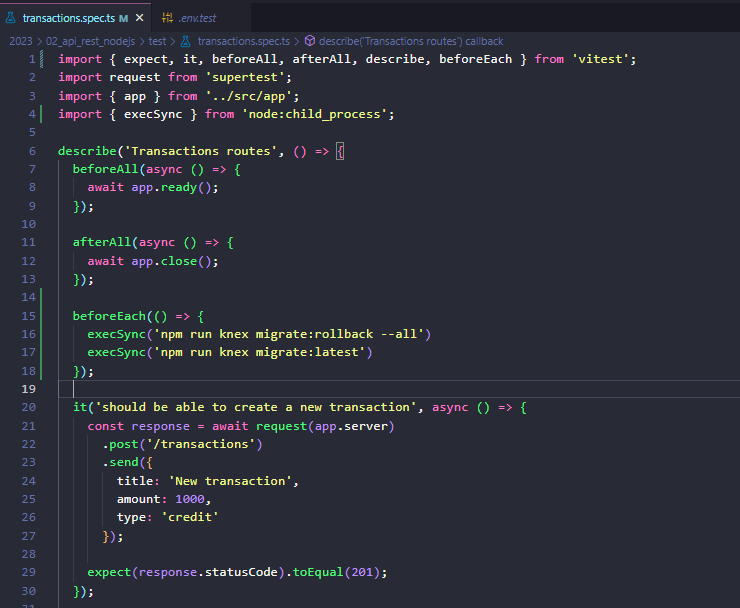


21 – Testando listagem de transações

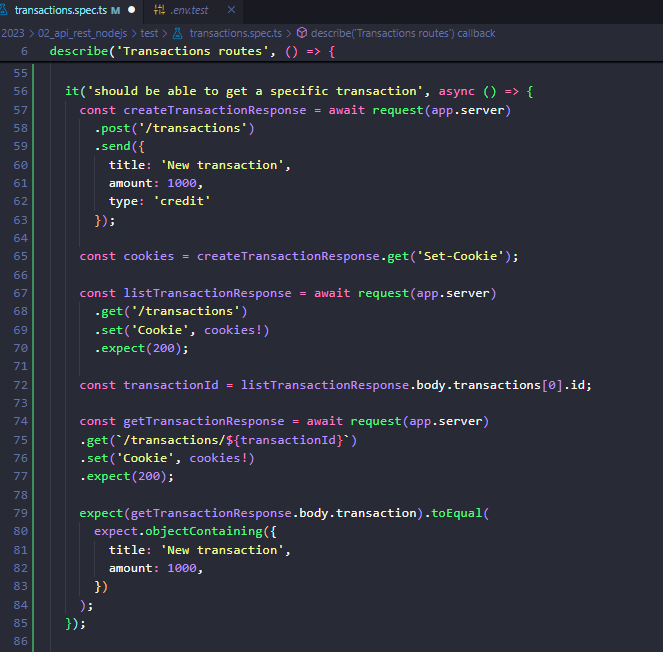


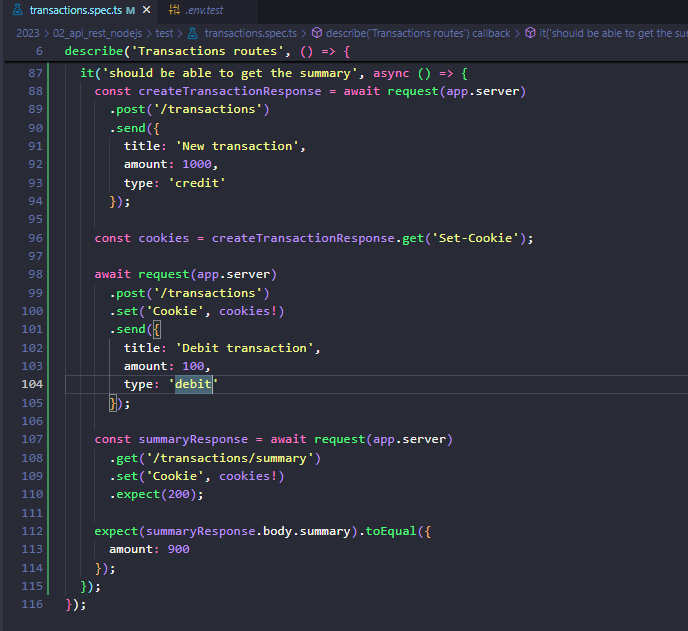
22 – Configurando banco de testes





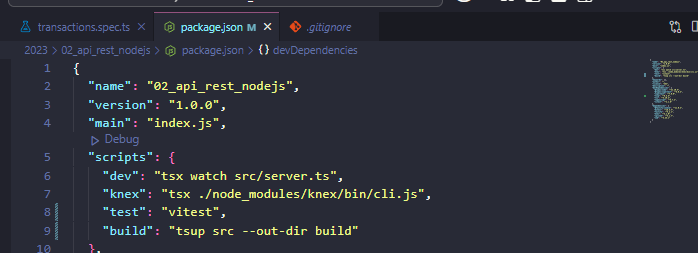
23 - Finalizando testes da aplicação





24 – Preparando para deploy

Antes de subir o projeto no ar, converta ele para js, baixe a lib npm i tsup -D



25 – Deploy do app no render