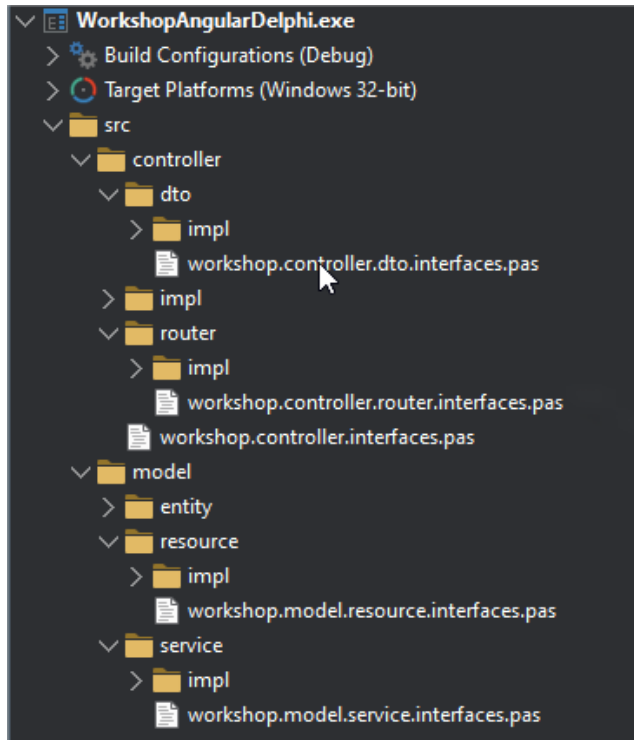# PASSO A PASSO BACKEND

1. Criar as Pastas
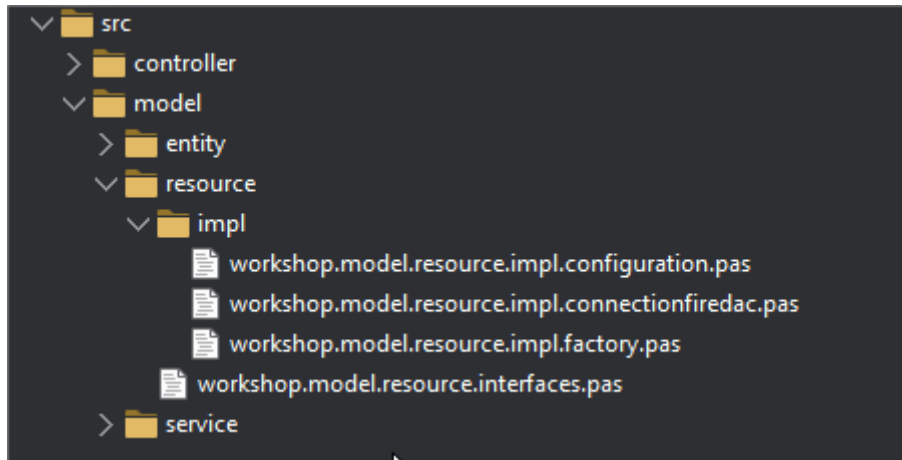

2. Criar o projeto WorkshopAngularDelphi

- Criar um projeto do tipo console application
- Configurar o gerenciador de dependências Boss (https://github.com/HashLoad/boss)
  - boss init -q
- Baixar e configurar o Horse (https://github.com/HashLoad/horse)
  - boss install horse
- Instalar os middlewares do Horse e outras dependências do projeto
  - boss install https://github.com/HashLoad/horse-jwt
  - boss install https://github.com/paolo-rossi/delphi-jose-jwt
  - boss install https://github.com/HashLoad/horse-cors
  - boss install https://github.com/HashLoad/jhonson
  - boss install https://github.com/academiadocodigo/localcache4d
  - boss install https://github.com/academiadocodigo/SimpleORM
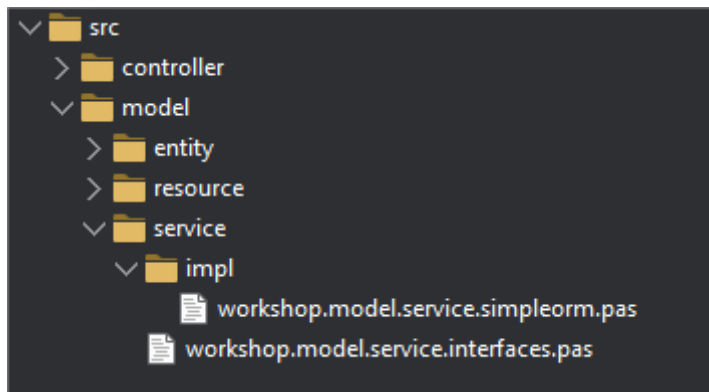 - boss install https://github.com/paolo-rossi/delphi-neon

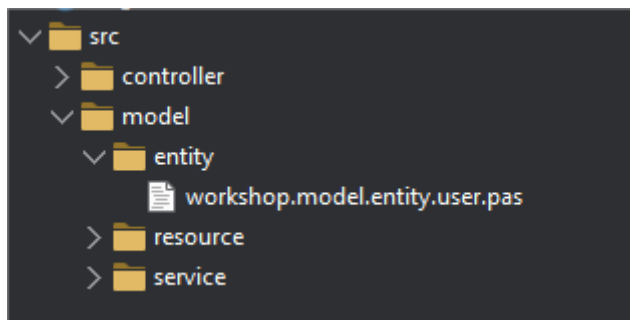### 3. Criar a estrutura Model

3.1 Criar a camada Resource

- Interface resource.interfaces
- Classe resource.impl.configuration
- Classe resource.impl.conectionfiredac
- Classe resource.impl.factory

3.2 Criar a camada Service
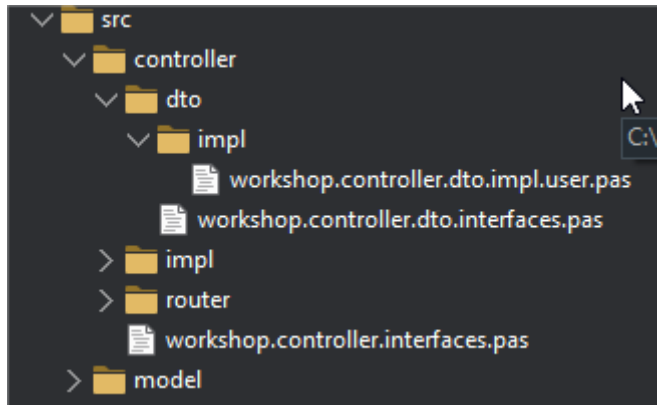

- Interface Service
- Classe ServiceSimpleORM

3.3 Criar a camada Entity
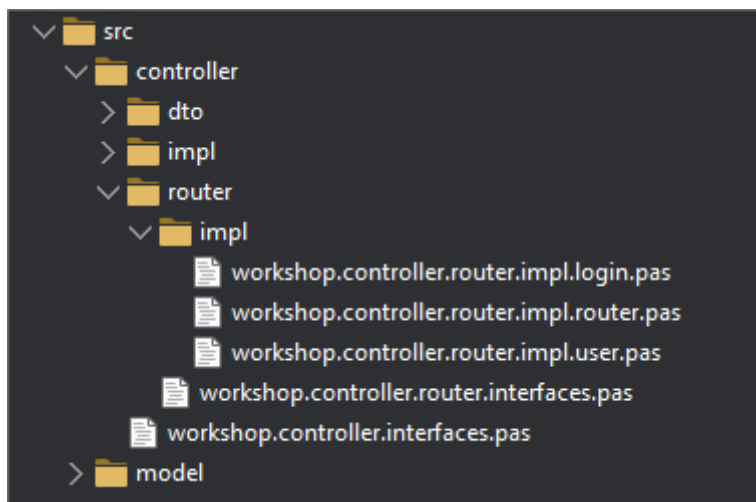

- Classe entity.user

4. Criar a estrutura Controller

4.1 Criar a camada DTO e Controller

- Interface dto.interfaces
- Classe dto.impl.user
- Interface controller
- Classe impl.controller

4.2 Criar a camada Router

- Interface router.interfaces
- Classe impl.user
- Classe impl.login
- Classe impl.factory

4.3 Criar a chamada da API

```
· ⊟begin
·     THorse
·       .Use(CORS)
·       .Use(Jhonson());
─
·     //JWT
·     THorse
·       .Use(HorseJWT('WorkShop',
·         THorseJWTConfig
40           .New
·             .SkipRoutes(['/user',
·                         '/user/:id',
·                         '/login'])));
·
─     TRouter.New
·       .User
·       .Login;
·
·     THorse.Listen(8020);
50 └end.
```
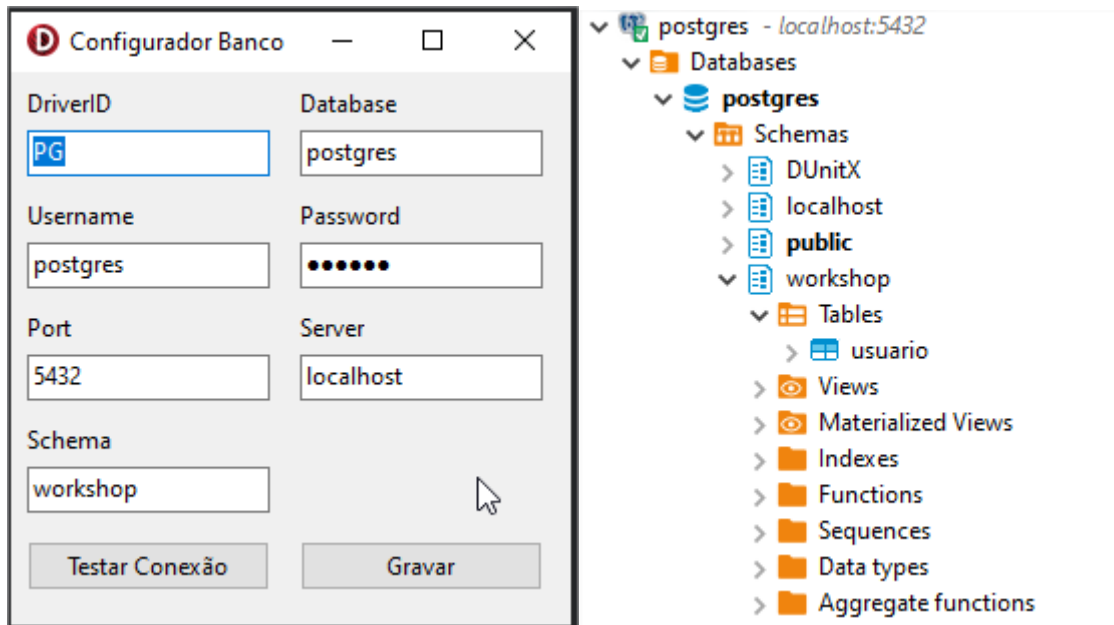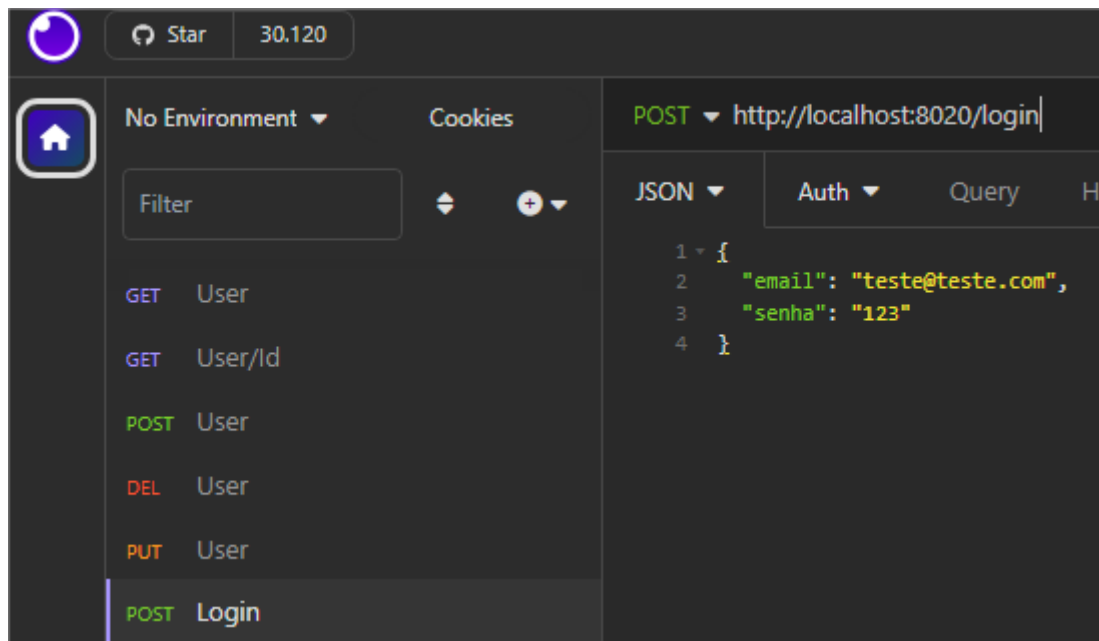
- View Source Projeto

4.4 Configurando e testando o backend

- Utilizar o WorkShopConfigurador.exe
- Criando a tabela de usuários
- Colando as libs do Postgres
- Testando Rotas no Insomnia (Get, Post, Put, Delete)