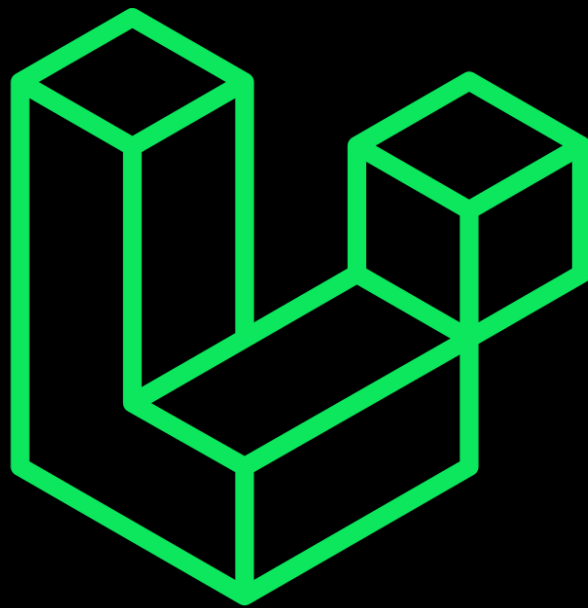




Laravel

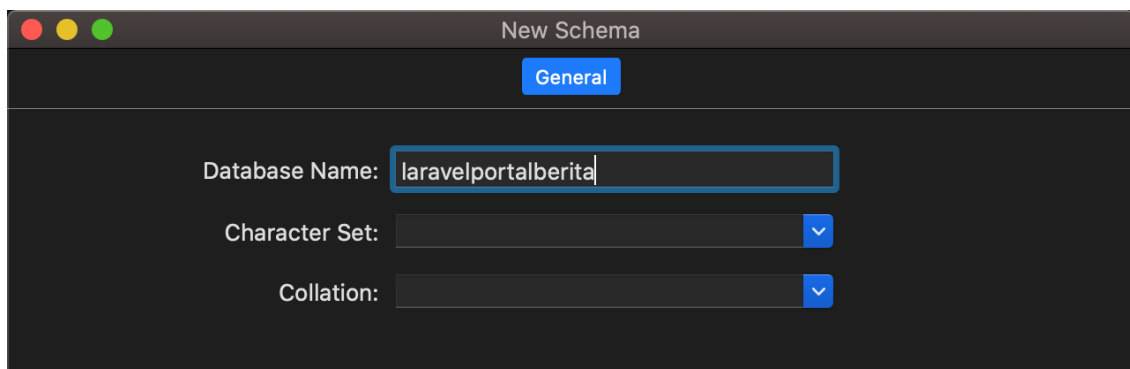
PHP Framework

Migrate & Seeding

Migrate merujuk pada proses pembuatan dan pengelolaan struktur basis data, seperti tabel dan kolom, melalui *script* yang dapat diatur dan dijalankan secara otomatis. Sementara itu, seeding adalah proses mengisi basis data dengan data awal atau contoh yang diperlukan untuk pengujian atau pengembangan.

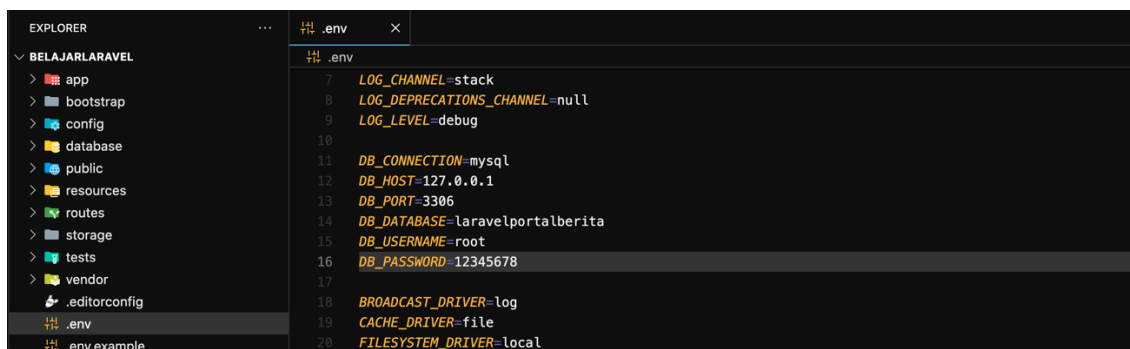
1. Membuat Database

Buat database dengan nama sebagai berikut.



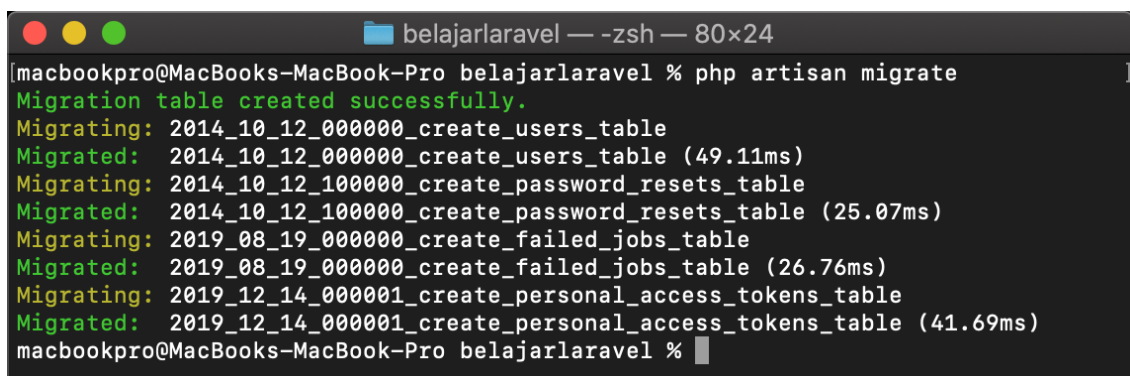
2. Konfigurasi File .env

Sesuaikan file .env



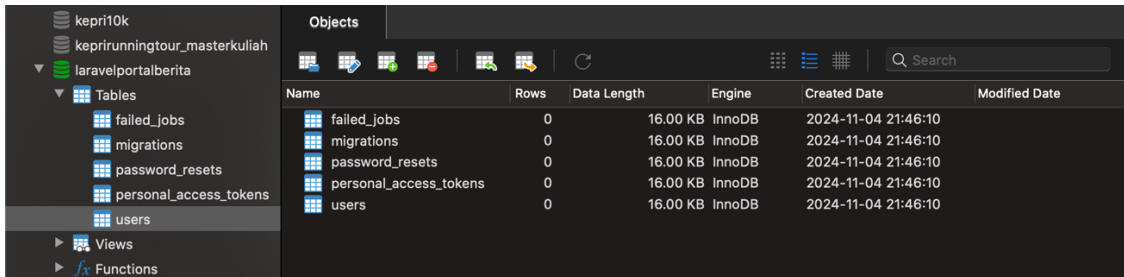
3. Migrate

Ketik **php artisan migrate** pada directory project di terminal/cmd.



4. Cek Database

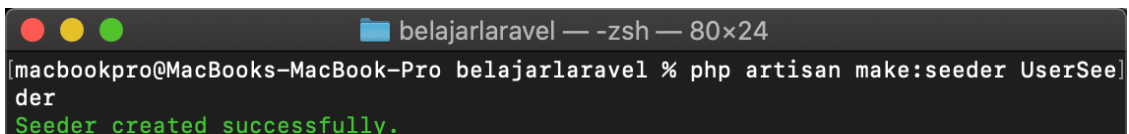
Silakan cek database untuk melihat struktur tabel dan *field*-nya.



Name	Rows	Data Length	Engine	Created Date	Modified Date
failed_jobs	0	16.00 KB	InnoDB	2024-11-04 21:46:10	
migrations	0	16.00 KB	InnoDB	2024-11-04 21:46:10	
password_resets	0	16.00 KB	InnoDB	2024-11-04 21:46:10	
personal_access_tokens	0	16.00 KB	InnoDB	2024-11-04 21:46:10	
users	0	16.00 KB	InnoDB	2024-11-04 21:46:10	

5. Membuat Seeder

Pada terminal/cmd ketik **php artisan make:seeder UserSeeder**

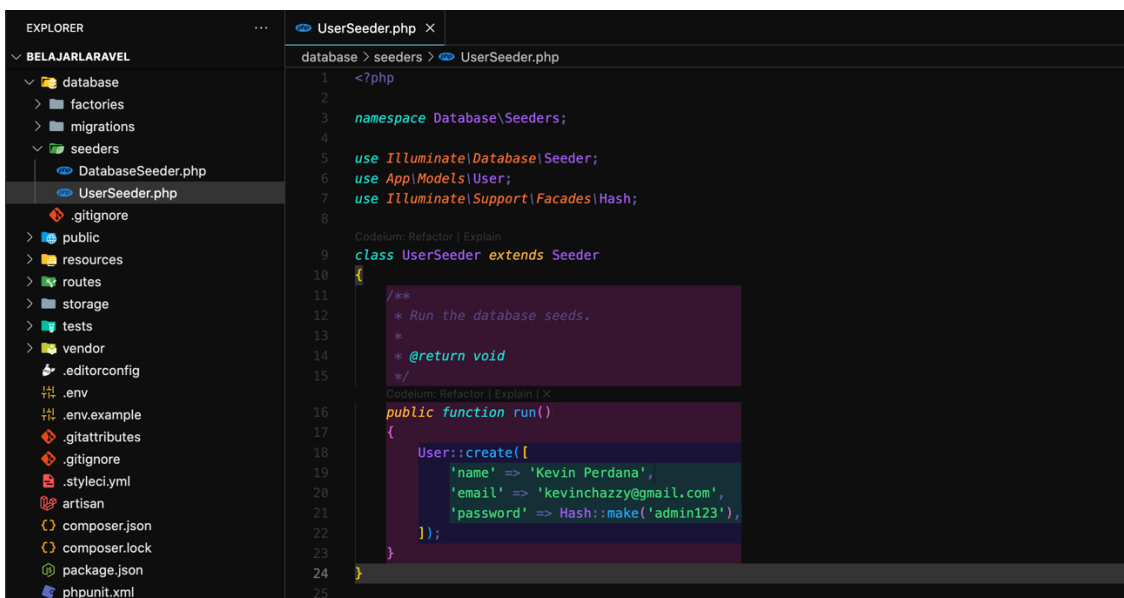


```

[macbookpro@MacBooks-MacBook-Pro belajarlaravel % php artisan make:seeder UserSeeder
Seeder created successfully.
  
```

6. Menentukan Seeder User

Buka directory database > seeders > UserSeeder.php dan sesuaikan kode seperti berikut.

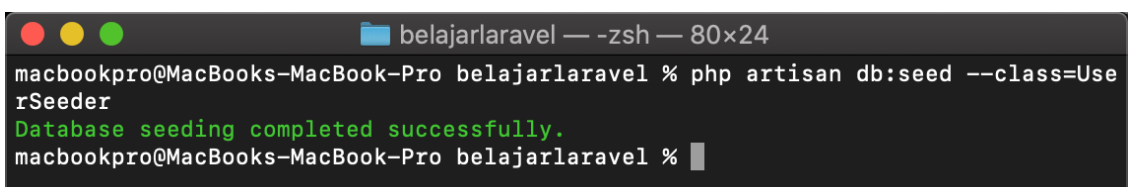


```

1 <?php
2
3 namespace Database\Seeders;
4
5 use Illuminate\Database\Seeder;
6 use App\Models\User;
7 use Illuminate\Support\Facades\Hash;
8
9 class UserSeeder extends Seeder
10 {
11     /**
12      * Run the database seeds.
13      *
14      * @return void
15      */
16     public function run()
17     {
18         User::create([
19             'name' => 'Kevin Perdana',
20             'email' => 'kevinchazzy@gmail.com',
21             'password' => Hash::make('admin123'),
22         ]);
23     }
24 }
  
```

7. Jalankan Seeder User

Ketik **php artisan db:seed --class=UserSeeder** pada terminal/cmd.



```

[macbookpro@MacBooks-MacBook-Pro belajarlaravel % php artisan db:seed --class=UserSeeder
Database seeding completed successfully.
[macbookpro@MacBooks-MacBook-Pro belajarlaravel %
  
```



8. Cek Database

Untuk melihat sampel user yang masuk silakan cek database.

The screenshot shows a database management tool interface. On the left, a tree view shows the database structure: 'laravelportalberita' > 'Tables' > 'users'. The main area displays the 'users' table with the following columns: id, name, email, email_verified_at, password, remember_token, created_at, and updated_at. A single row of data is shown: id 1, name Kevin Perdana, email kevinchazzy@gmail.com, email_verified_at (NULL), password \$2y\$10\$A8ls..., remember_token (NULL), created_at 2024-11-04 11:00:00, and updated_at 2024-11-04 11:00:00.