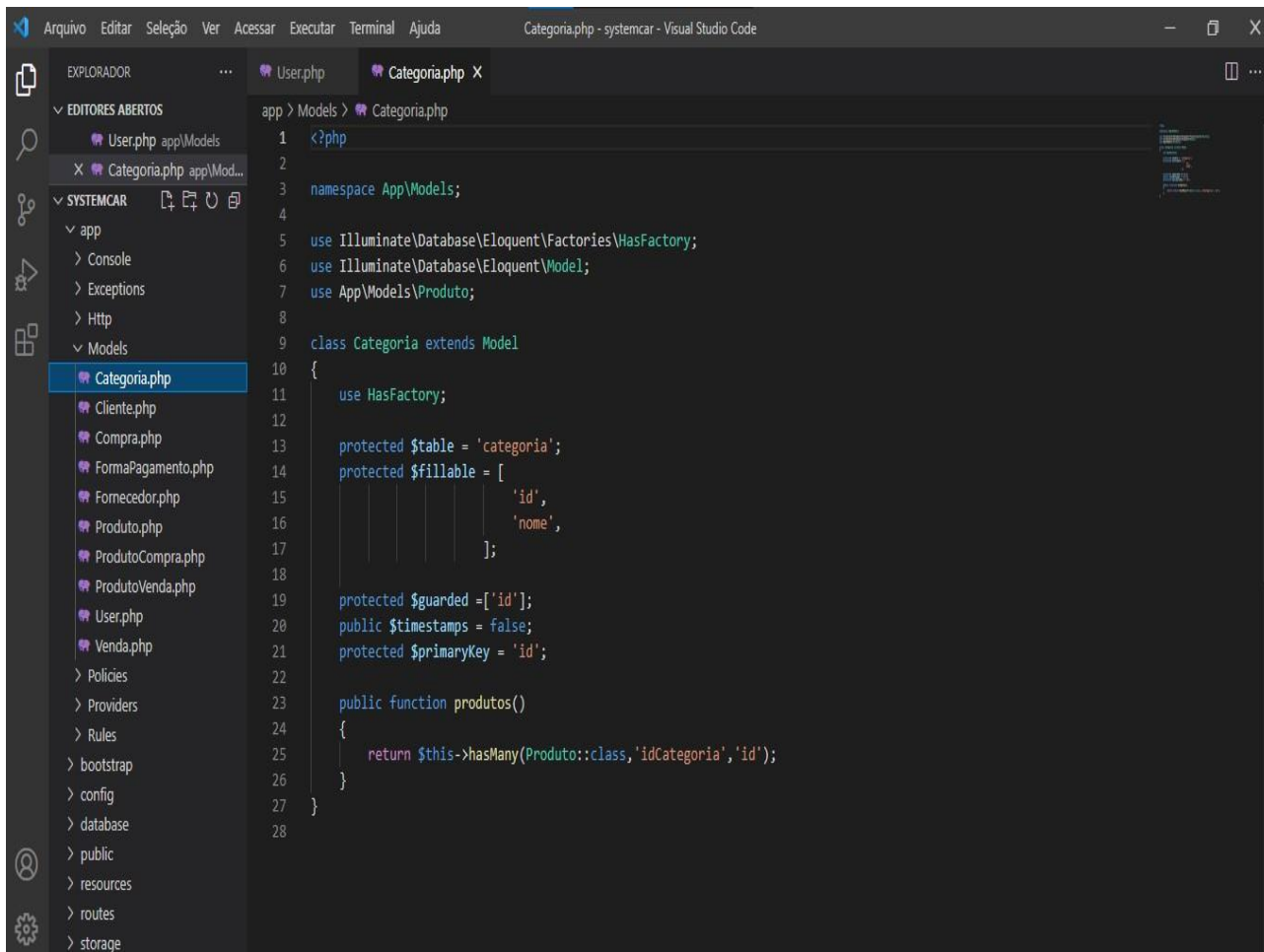


ATIVIDADE					
Curso:	Superior de Tecnologia em ADS	Disciplina:	Laboratório de Programação Web II		
Docente:	Fábio dos Santos Lima	Turma:	5ADS	Data:	02/02/2022
Discente:	Jaqueline Pereira Nogueira				

- Integrar codificação backend(model, controlller, requests);
- Sistema com layout e backend integrado;

MODEL

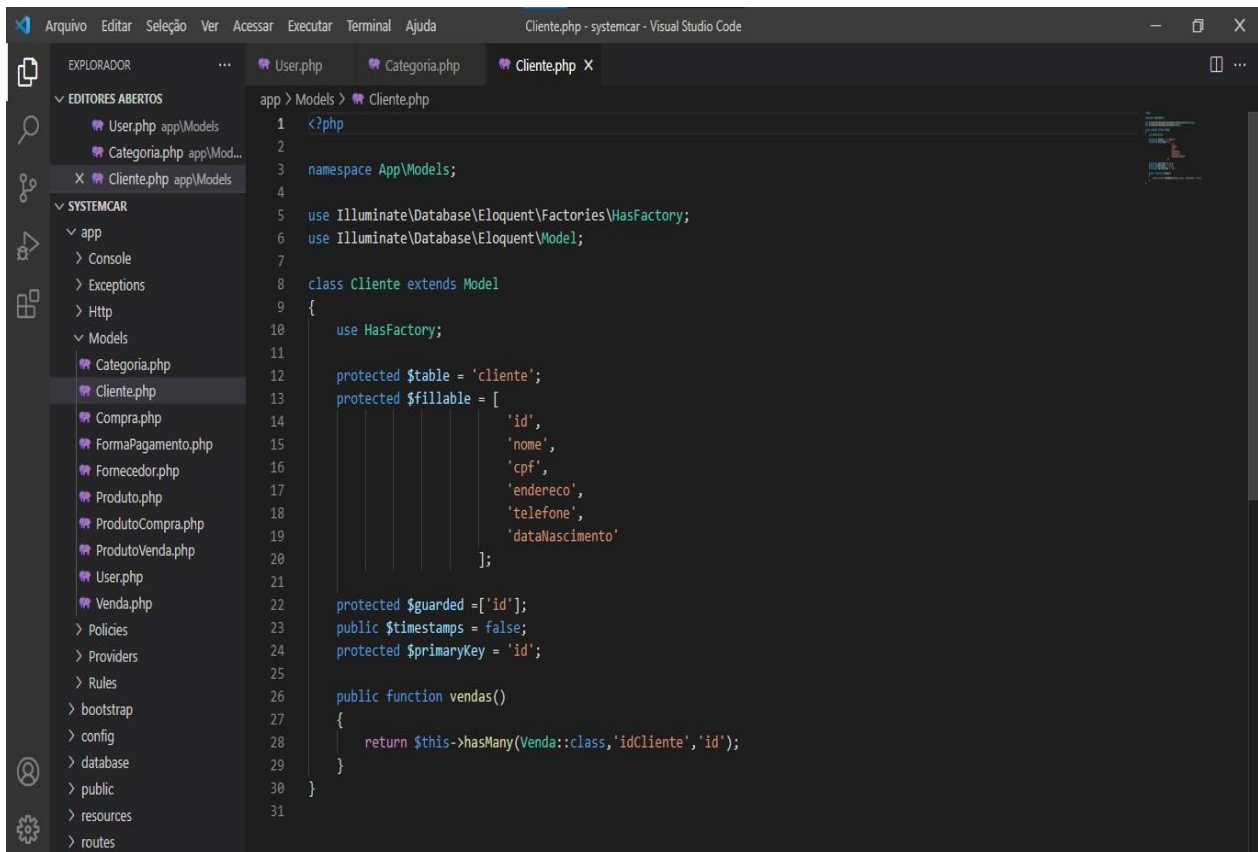
categoria.php



```

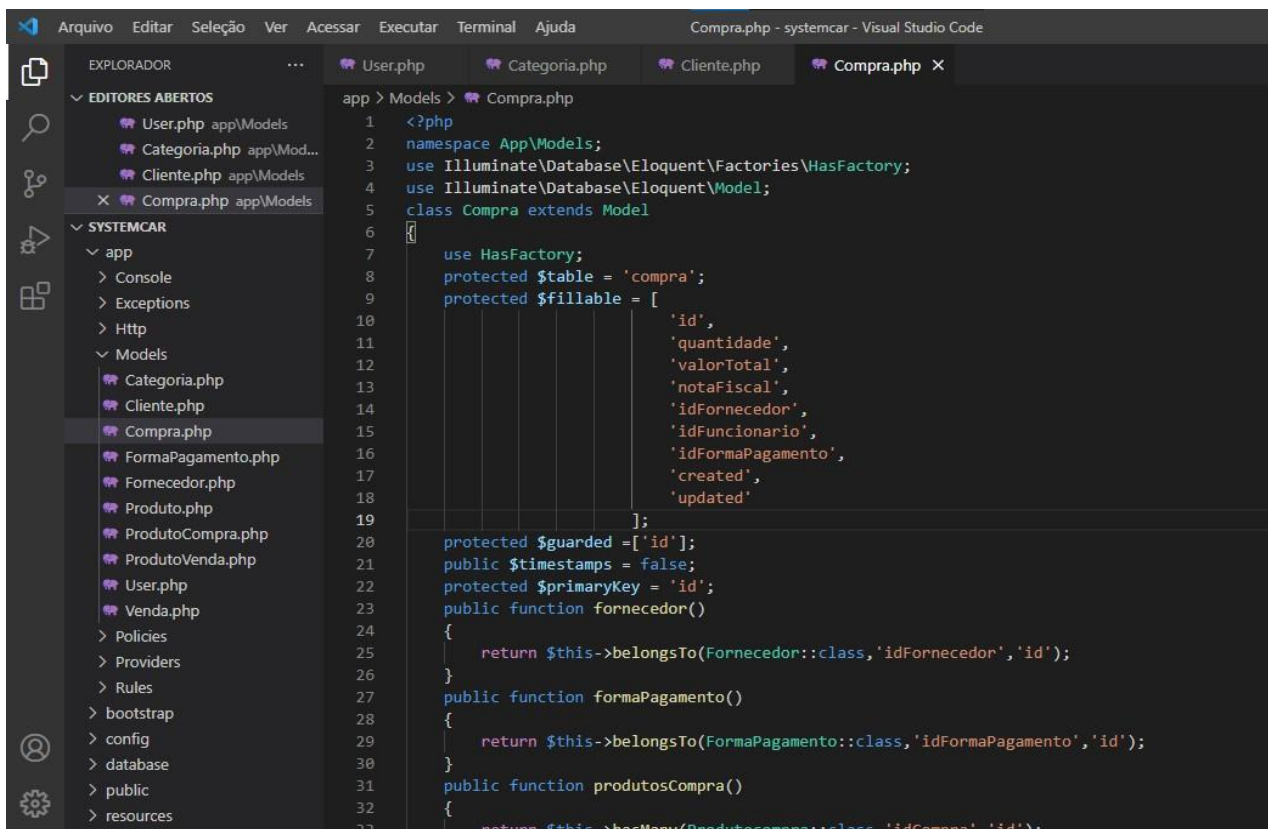
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7  use App\Models\Produto;
8
9  class Categoria extends Model
10 {
11     use HasFactory;
12
13     protected $table = 'categoria';
14     protected $fillable = [
15         'id',
16         'nome',
17     ];
18
19     protected $guarded = ['id'];
20     public $timestamps = false;
21     protected $primaryKey = 'id';
22
23     public function produtos()
24     {
25         return $this->hasMany(Produto::class, 'idCategoria', 'id');
26     }
27 }
28
  
```

Cliente.php



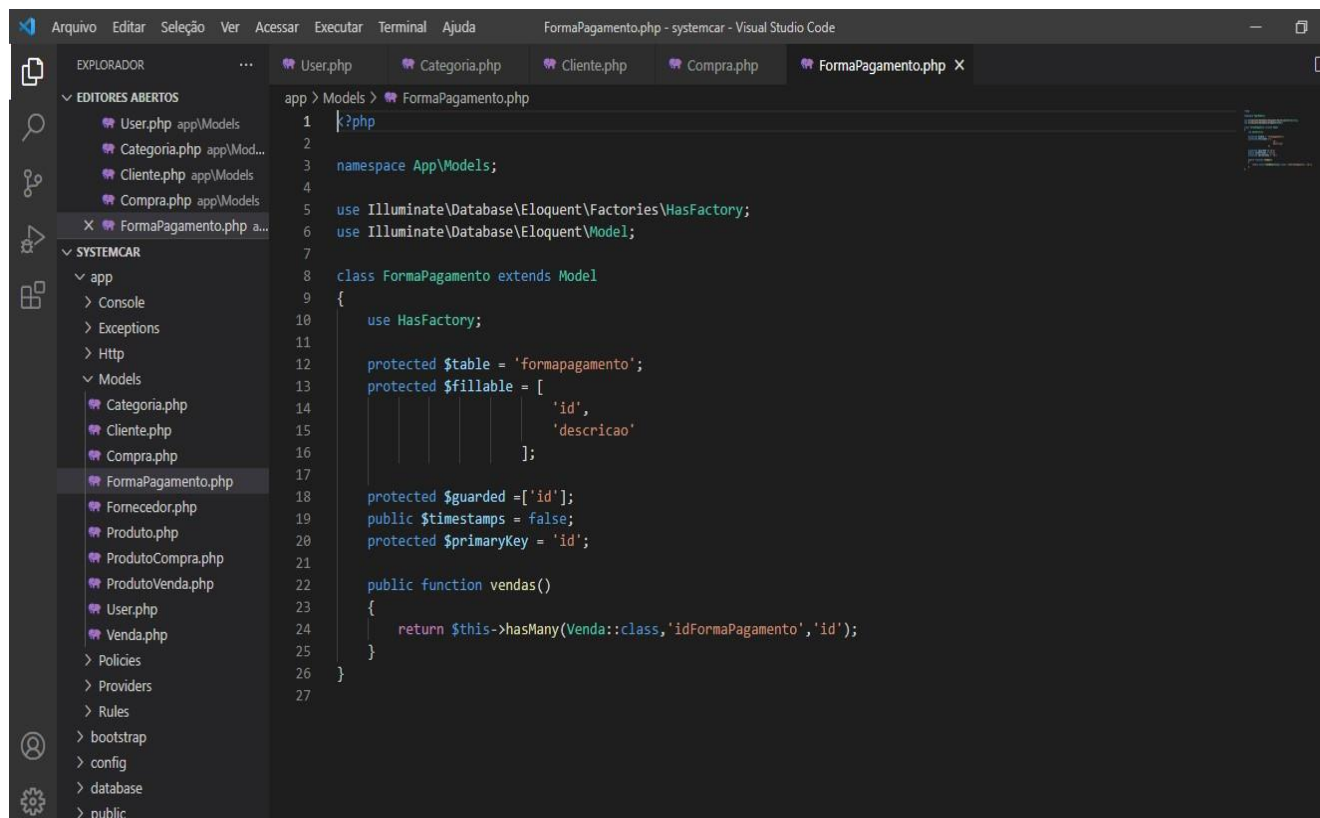
```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Cliente extends Model
9 {
10     use HasFactory;
11
12     protected $table = 'cliente';
13     protected $fillable = [
14         'id',
15         'nome',
16         'cpf',
17         'endereco',
18         'telefone',
19         'dataNascimento'
20     ];
21
22     protected $guarded = ['id'];
23     public $timestamps = false;
24     protected $primaryKey = 'id';
25
26     public function vendas()
27     {
28         return $this->hasMany(Venda::class, 'idCliente', 'id');
29     }
30 }
31
```

Compra.php



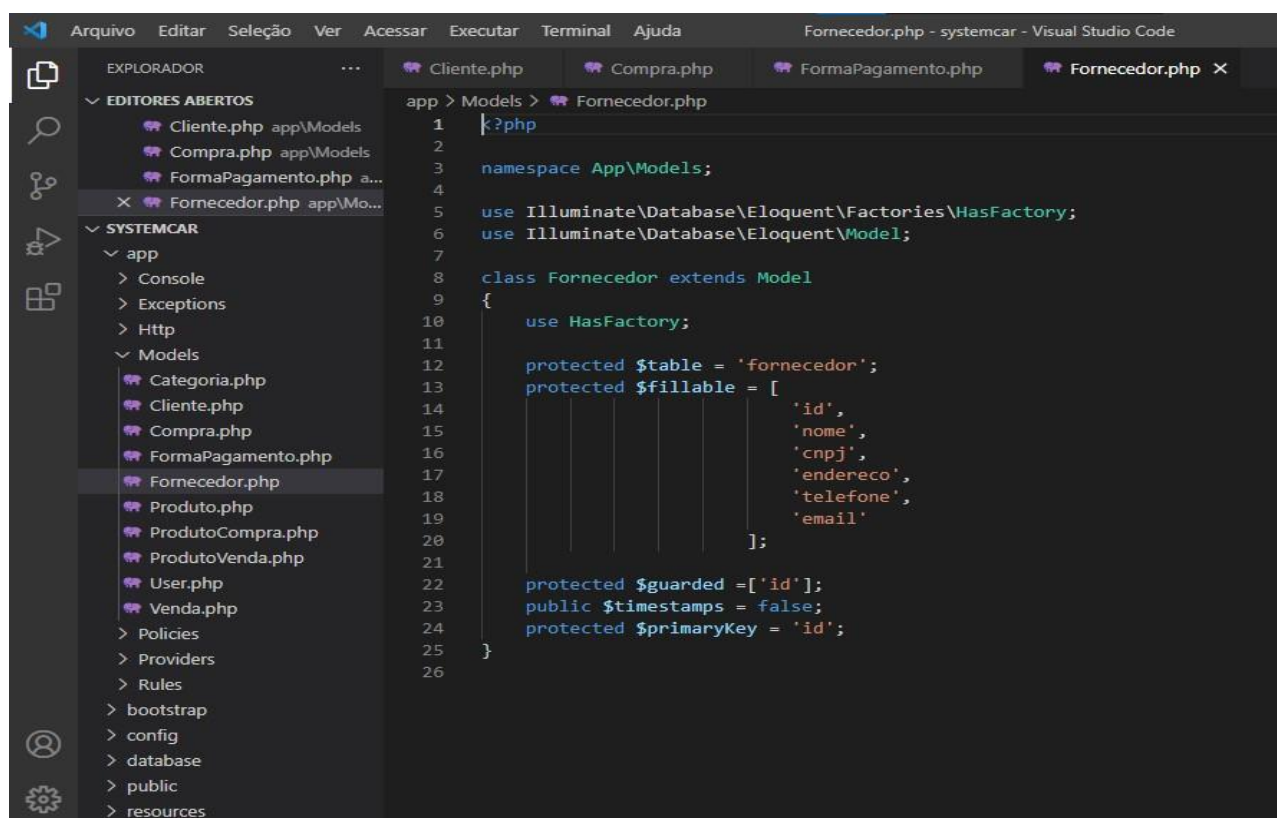
```
1 <?php
2 namespace App\Models;
3 use Illuminate\Database\Eloquent\Factories\HasFactory;
4 use Illuminate\Database\Eloquent\Model;
5 class Compra extends Model
6 {
7     use HasFactory;
8     protected $table = 'compra';
9     protected $fillable = [
10         'id',
11         'quantidade',
12         'valorTotal',
13         'notaFiscal',
14         'idFornecedor',
15         'idFuncionario',
16         'idFormaPagamento',
17         'created',
18         'updated'
19     ];
20     protected $guarded = ['id'];
21     public $timestamps = false;
22     protected $primaryKey = 'id';
23     public function fornecedor()
24     {
25         return $this->belongsTo(Fornecedor::class, 'idFornecedor', 'id');
26     }
27     public function formaPagamento()
28     {
29         return $this->belongsTo(FormaPagamento::class, 'idFormaPagamento', 'id');
30     }
31     public function produtosCompra()
32     {
33         return $this->hasMany(ProdutoCompra::class, 'idCompra', 'id');
34     }
35 }
36
```

FormaDePagamento.php



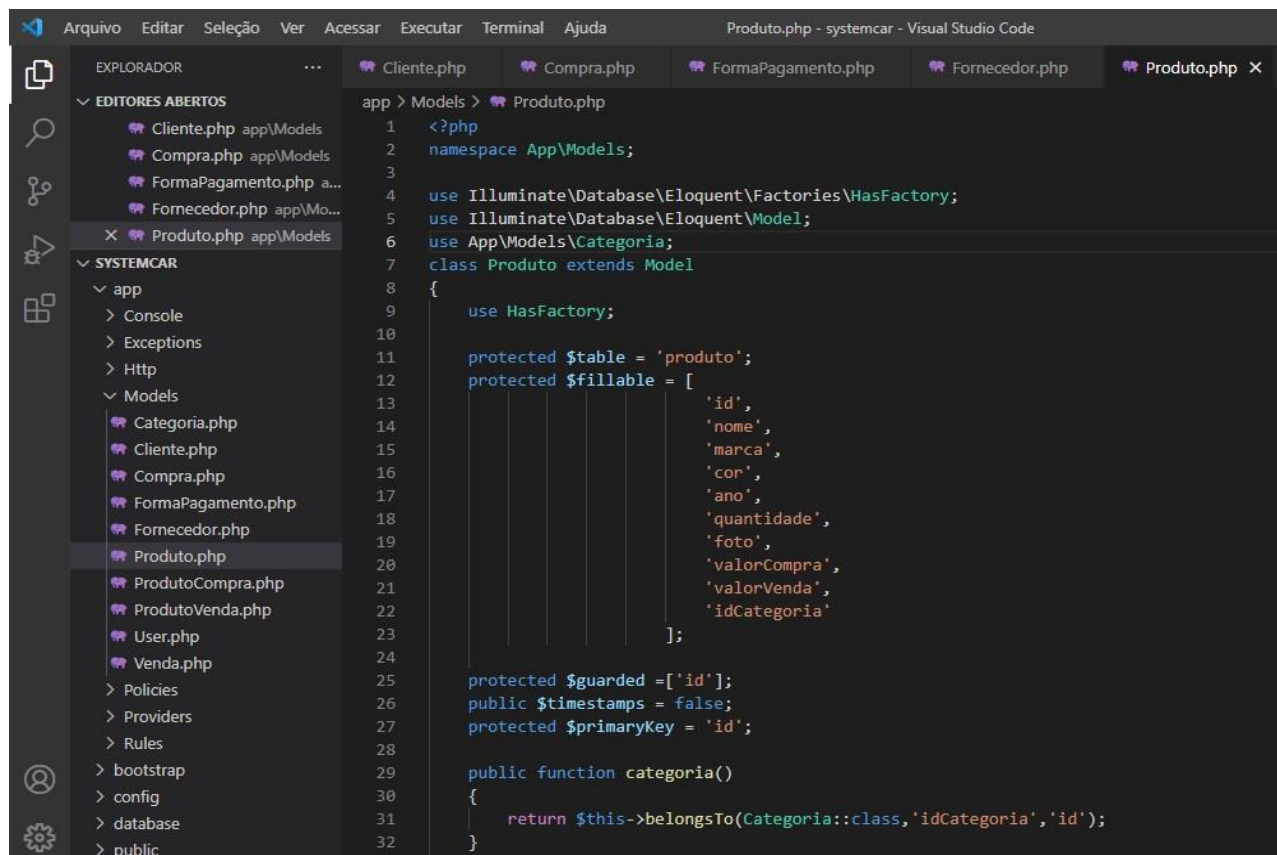
```
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class FormaPagamento extends Model
9  {
10     use HasFactory;
11
12     protected $table = 'formapagamento';
13     protected $fillable = [
14         'id',
15         'descricao'
16     ];
17
18     protected $guarded = ['id'];
19     public $timestamps = false;
20     protected $primaryKey = 'id';
21
22     public function vendas()
23     {
24         return $this->hasMany(Venda::class, 'idFormaPagamento', 'id');
25     }
26 }
27
```

Fornecedor.php



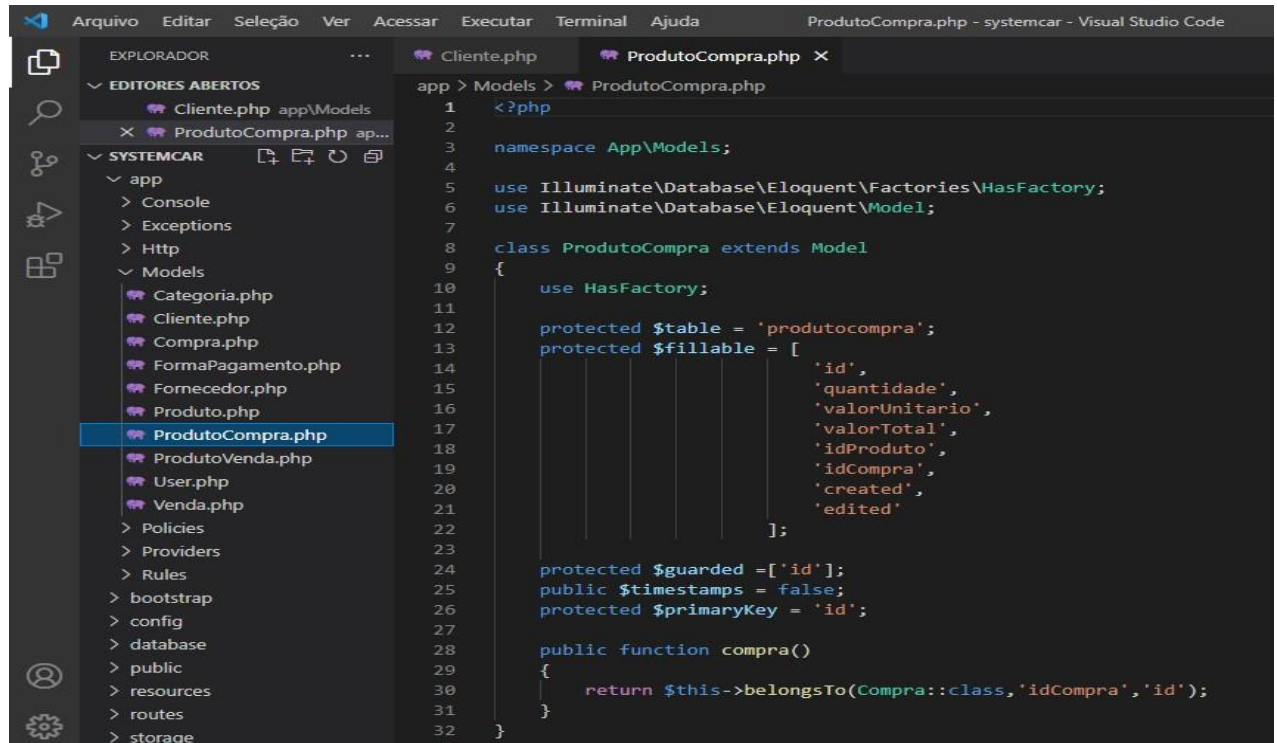
```
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Fornecedor extends Model
9  {
10     use HasFactory;
11
12     protected $table = 'fornecedor';
13     protected $fillable = [
14         'id',
15         'nome',
16         'cnpj',
17         'endereco',
18         'telefone',
19         'email'
20     ];
21
22     protected $guarded = ['id'];
23     public $timestamps = false;
24     protected $primaryKey = 'id';
25 }
26
```

Produto.php



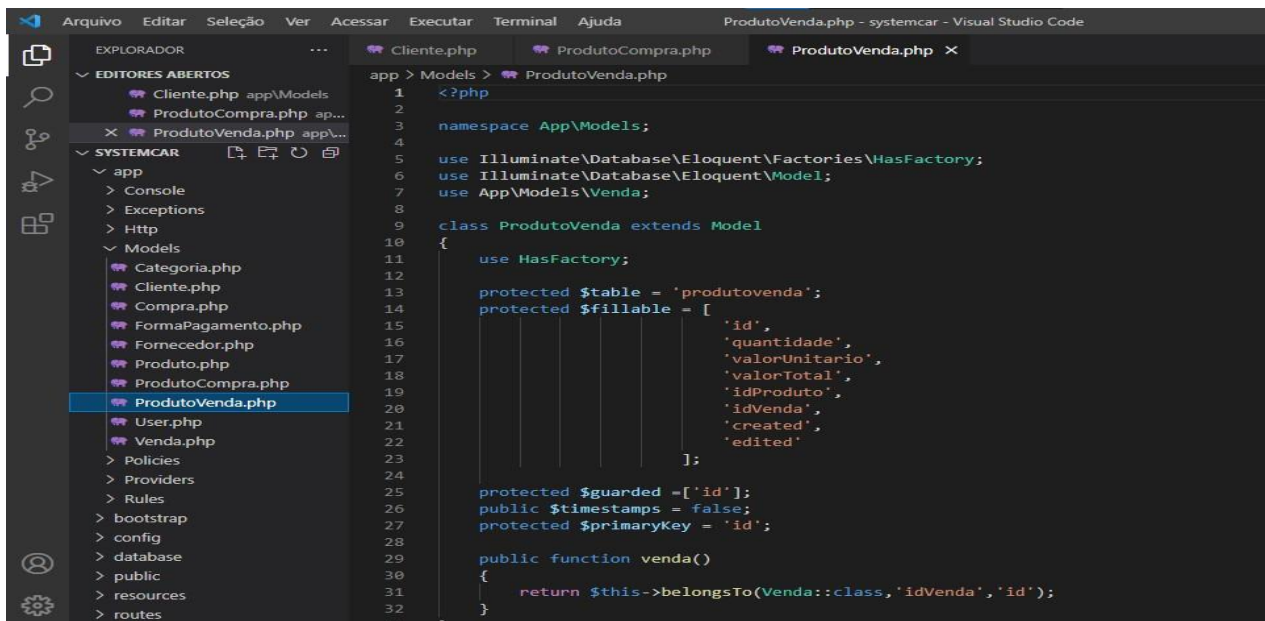
```
1 <?php
2 namespace App\Models;
3
4 use Illuminate\Database\Eloquent\Factories\HasFactory;
5 use Illuminate\Database\Eloquent\Model;
6 use App\Models\Categoria;
7 class Produto extends Model
8 {
9     use HasFactory;
10
11     protected $table = 'produto';
12     protected $fillable = [
13         'id',
14         'nome',
15         'marca',
16         'cor',
17         'ano',
18         'quantidade',
19         'foto',
20         'valorCompra',
21         'valorVenda',
22         'idCategoria'
23     ];
24
25     protected $guarded = ['id'];
26     public $timestamps = false;
27     protected $primaryKey = 'id';
28
29     public function categoria()
30     {
31         return $this->belongsTo(Categoria::class, 'idCategoria', 'id');
32     }
33 }
```

produtoCompra.php



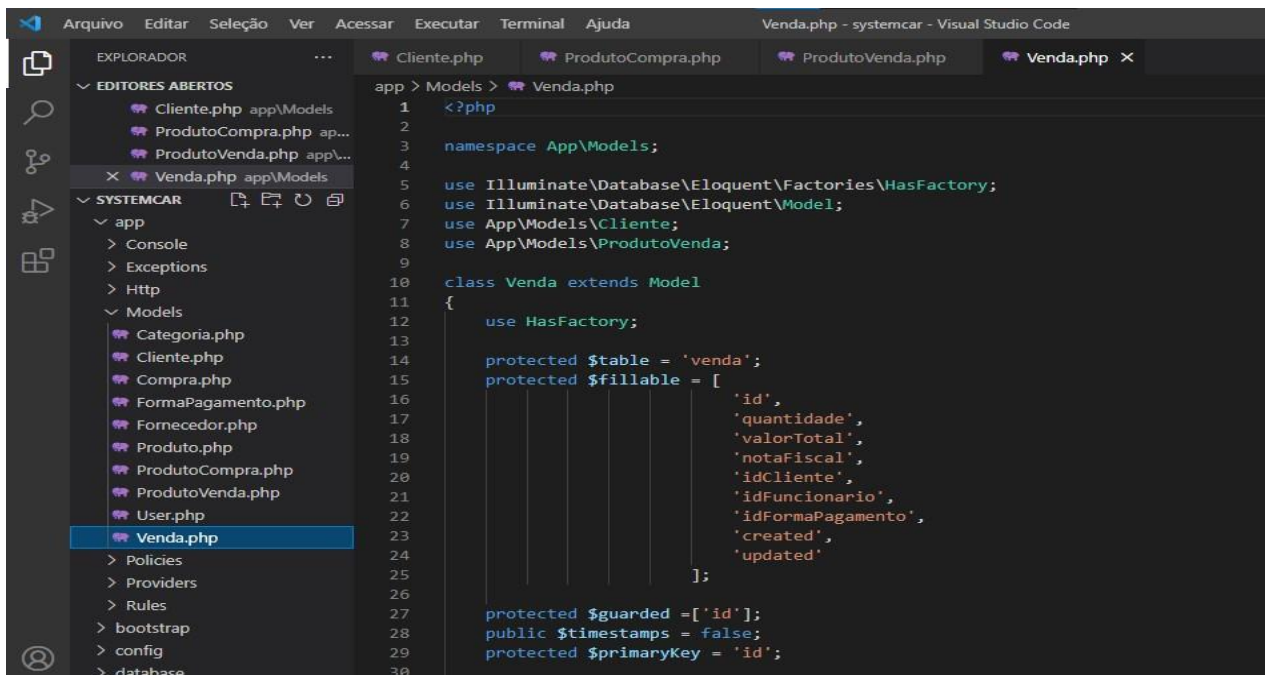
```
1 <?php
2 namespace App\Models;
3
4 use Illuminate\Database\Eloquent\Factories\HasFactory;
5 use Illuminate\Database\Eloquent\Model;
6
7 class ProdutoCompra extends Model
8 {
9     use HasFactory;
10
11     protected $table = 'produtocompra';
12     protected $fillable = [
13         'id',
14         'quantidade',
15         'valorUnitario',
16         'valorTotal',
17         'idProduto',
18         'idCompra',
19         'created',
20         'edited'
21     ];
22
23     protected $guarded = ['id'];
24     public $timestamps = false;
25     protected $primaryKey = 'id';
26
27     public function compra()
28     {
29         return $this->belongsTo(Compra::class, 'idCompra', 'id');
30     }
31 }
32
33 }
```


produtoVenda.php

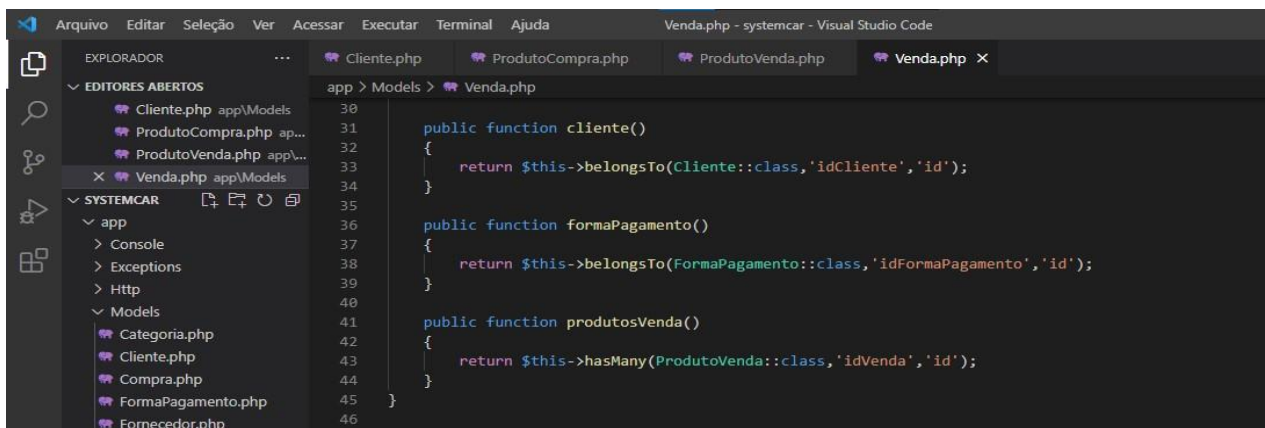


```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7 use App\Models\Venda;
8
9 class ProdutoVenda extends Model
10 {
11     use HasFactory;
12
13     protected $table = 'produtovenda';
14     protected $fillable = [
15         'id',
16         'quantidade',
17         'valorUnitario',
18         'valorTotal',
19         'idProduto',
20         'idVenda',
21         'created',
22         'edited'
23     ];
24
25     protected $guarded = ['id'];
26     public $timestamps = false;
27     protected $primaryKey = 'id';
28
29     public function venda()
30     {
31         return $this->belongsTo(Venda::class, 'idVenda', 'id');
32     }
33 }
```

Venda.php

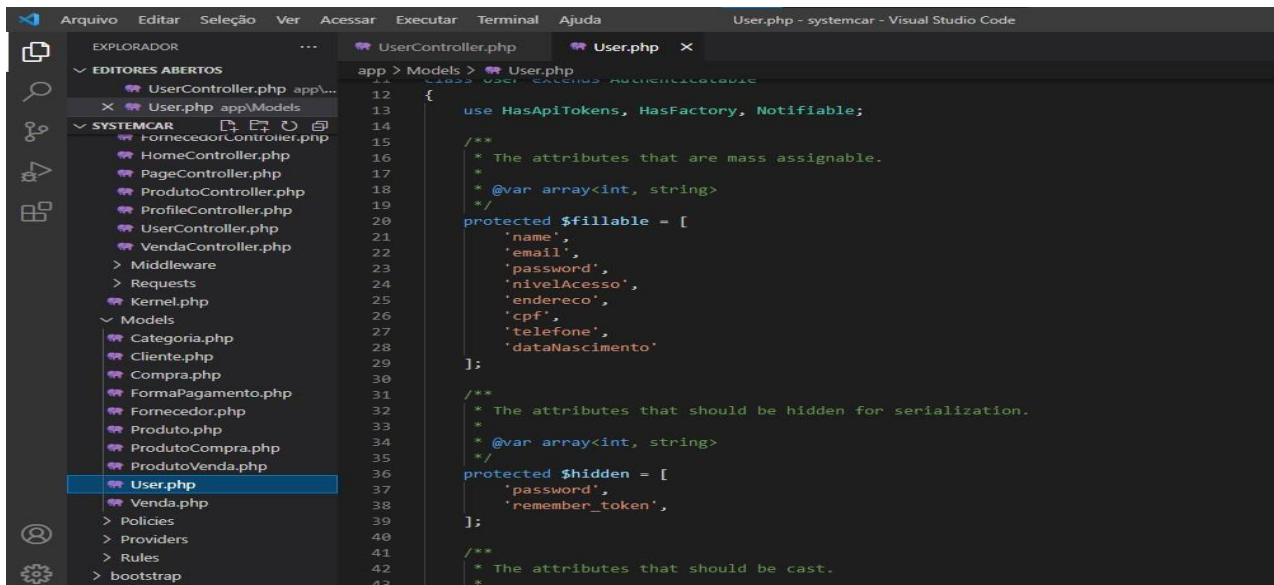


```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7 use App\Models\Cliente;
8 use App\Models\ProdutoVenda;
9
10 class Venda extends Model
11 {
12     use HasFactory;
13
14     protected $table = 'venda';
15     protected $fillable = [
16         'id',
17         'quantidade',
18         'valorTotal',
19         'notaFiscal',
20         'idCliente',
21         'idFuncionario',
22         'idFormaPagamento',
23         'created',
24         'updated'
25     ];
26
27     protected $guarded = ['id'];
28     public $timestamps = false;
29     protected $primaryKey = 'id';
30 }
```



```
30
31 public function cliente()
32 {
33     return $this->belongsTo(Cliente::class, 'idCliente', 'id');
34 }
35
36 public function formaPagamento()
37 {
38     return $this->belongsTo(FormaPagamento::class, 'idFormaPagamento', 'id');
39 }
40
41 public function produtosVenda()
42 {
43     return $this->hasMany(ProdutoVenda::class, 'idVenda', 'id');
44 }
45 }
46 }
```

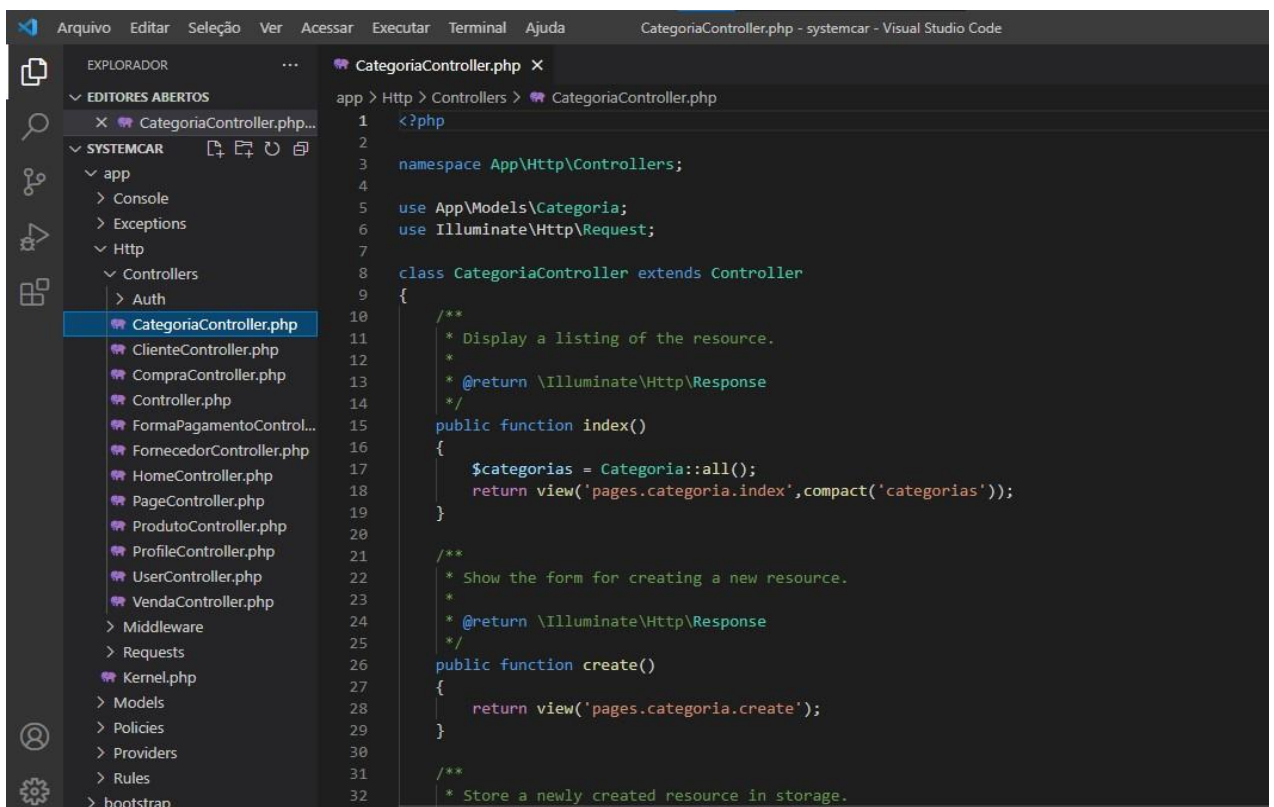
User.php



```
12 {
13     use HasApiTokens, HasFactory, Notifiable;
14
15     /**
16      * The attributes that are mass assignable.
17      *
18      * @var array<int, string>
19      */
20     protected $fillable = [
21         'name',
22         'email',
23         'password',
24         'nivelAcesso',
25         'endereco',
26         'cpf',
27         'telefone',
28         'dataNascimento'
29     ];
30
31     /**
32      * The attributes that should be hidden for serialization.
33      *
34      * @var array<int, string>
35      */
36     protected $hidden = [
37         'password',
38         'remember_token',
39     ];
40
41     /**
42      * The attributes that should be cast.
43      *
```

CONTROLLER

categoriaController.php



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Categoria;
6 use Illuminate\Http\Request;
7
8 class CategoriaController extends Controller
9 {
10     /**
11      * Display a listing of the resource.
12      *
13      * @return \Illuminate\Http\Response
14      */
15     public function index()
16     {
17         $categorias = Categoria::all();
18         return view('pages.categoria.index', compact('categorias'));
19     }
20
21     /**
22      * Show the form for creating a new resource.
23      *
24      * @return \Illuminate\Http\Response
25      */
26     public function create()
27     {
28         return view('pages.categoria.create');
29     }
30
31     /**
32      * Store a newly created resource in storage.
33      *
```

clienteController.php

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  Terminal  Ajuda  ClienteController.php - systemcar - Visual Studio Code

EXPLORADOR
EDITORES ABERTOS
  CategoriaController.php...
  ClienteController.php a...
SYSTEMCAR
  app
    Console
    Exceptions
    Http
      Controllers
        Auth
        CategoriaController.php
        ClienteController.php
        CompraController.php
        Controller.php
        FormaPagamentoControl...
        FornecedorController.php
        HomeController.php
        PageController.php
        ProdutoController.php
        ProfileController.php
        UserController.php
        VendaController.php
      Middleware
      Requests
      Kernel.php
    Models
    Policies
    Providers
    Rules

app > Http > Controllers > ClienteController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Cliente;
6  use Illuminate\Http\Request;
7
8  class ClienteController extends Controller
9  {
10     /**
11      * Display a listing of the resource.
12      *
13      * @return \Illuminate\Http\Response
14      */
15     public function index()
16     {
17
18         $clientes = Cliente::all();
19         return view('pages.cliente.index', compact('clientes'));
20     }
21
22     /**
23      * Show the form for creating a new resource.
24      *
25      * @return \Illuminate\Http\Response
26      */
27     public function create()
28     {
29         return view('pages.cliente.create');
30     }
31
32 }
```

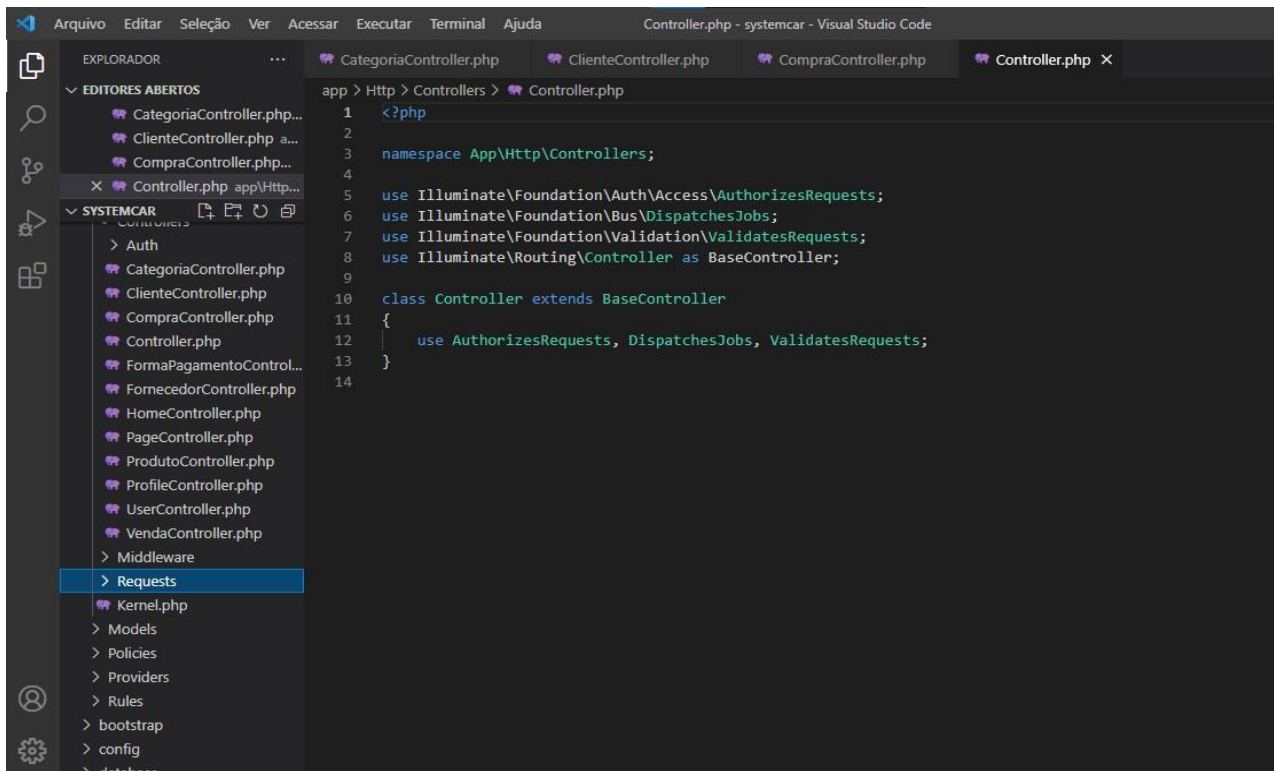
compraController.php

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  Terminal  Ajuda  CompraController.php - systemcar - Visual Studio Code

EXPLORADOR
EDITORES ABERTOS
  CategoriaController.php...
  ClienteController.php a...
  CompraController.php...
SYSTEMCAR
  app
    Console
    Exceptions
    Http
      Controllers
        Auth
        CategoriaController.php
        ClienteController.php
        CompraController.php
        Controller.php
        FormaPagamentoControl...
        FornecedorController.php
        HomeController.php
        PageController.php
        ProdutoController.php
        ProfileController.php
        UserController.php
        VendaController.php
      Middleware
      Requests
      Kernel.php
    Models
    Policies
    Providers
    Rules

app > Http > Controllers > CompraController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Compra;
6  use App\Models\FormaPagamento;
7  use App\Models\Fornecedor;
8  use App\Models\Produto;
9  use App\Models\ProdutoCompra;
10 use Illuminate\Http\Request;
11
12 class CompraController extends Controller
13 {
14     /**
15      * Display a listing of the resource.
16      *
17      * @return \Illuminate\Http\Response
18      */
19     public function index()
20     {
21         $compras = Compra::join('fornecedor', 'fornecedor.id', '=', 'compra.idFornecedor')
22             ->join('formapagamento', 'formapagamento.id', '=', 'compra.idFormaPagamento')
23             ->select('compra.*', 'fornecedor.nome as fornecedor', 'formapagamento.descricao as formapag')
24             ->get();
25
26         return view('pages.compra.index', ['compras' => $compras]);
27     }
28
29     /**
30      * Show the form for creating a new resource.
31      *
32      * @return \Illuminate\Http\Response
33      */
34 }
```

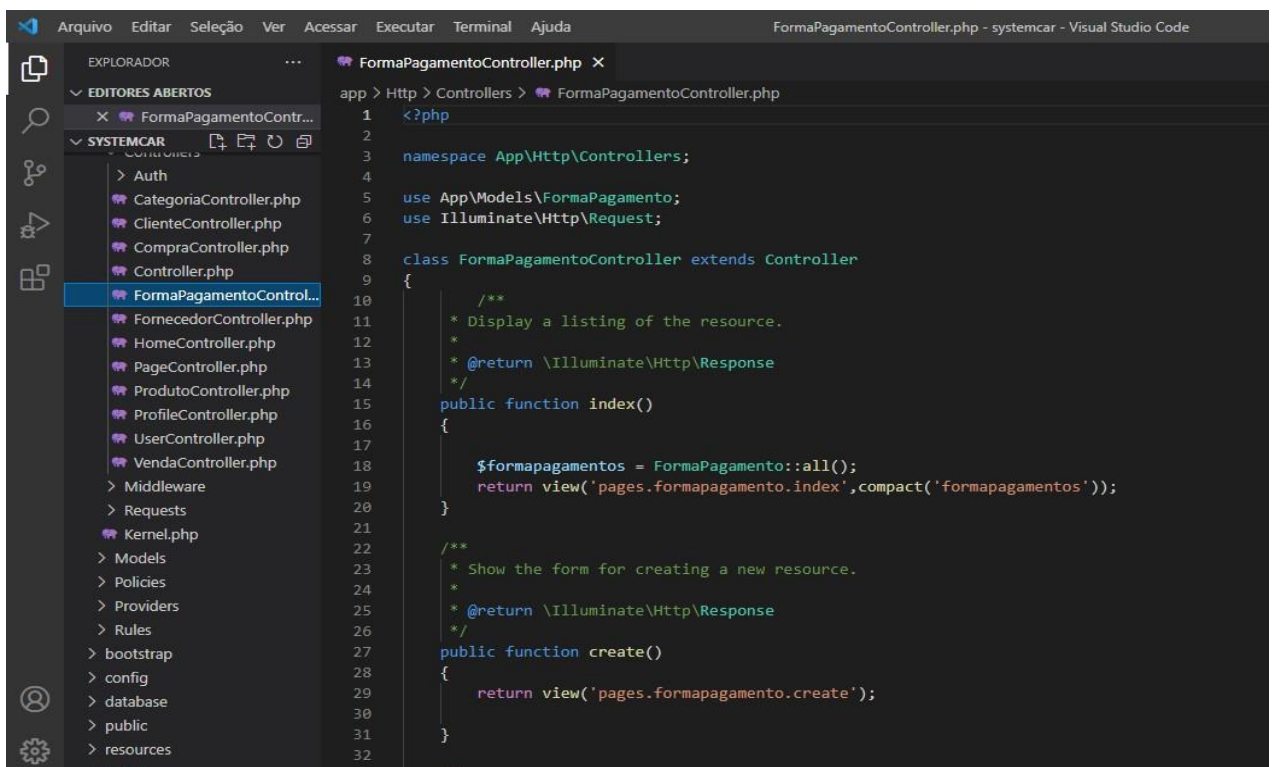

Controller.php



The screenshot shows the Visual Studio Code interface with the 'Controller.php' file open. The Explorer sidebar on the left shows the project structure, with 'Controllers' expanded and 'Controller.php' selected. The main editor displays the following PHP code:

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Foundation\Auth\Access\AuthorizesRequests;
6 use Illuminate\Foundation\Bus\DispatchesJobs;
7 use Illuminate\Foundation\Validation\ValidatesRequests;
8 use Illuminate\Routing\Controller as BaseController;
9
10 class Controller extends BaseController
11 {
12     use AuthorizesRequests, DispatchesJobs, ValidatesRequests;
13 }
14
```

formaPagamentoController.php



The screenshot shows the Visual Studio Code interface with the 'formaPagamentoController.php' file open. The Explorer sidebar on the left shows the project structure, with 'Controllers' expanded and 'formaPagamentoController.php' selected. The main editor displays the following PHP code:

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\FormaPagamento;
6 use Illuminate\Http\Request;
7
8 class FormaPagamentoController extends Controller
9 {
10     /**
11      * Display a listing of the resource.
12      *
13      * @return \Illuminate\Http\Response
14      */
15     public function index()
16     {
17         $formapagamentos = FormaPagamento::all();
18         return view('pages.formapagamento.index', compact('formapagamentos'));
19     }
20
21     /**
22      * Show the form for creating a new resource.
23      *
24      * @return \Illuminate\Http\Response
25      */
26     public function create()
27     {
28         return view('pages.formapagamento.create');
29     }
30 }
31
```


forneecedorController.php

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  Terminal  Ajuda  FornecedorController.php - systemcar - Visual Studio Code

EXPLORADOR
  EDITORES ABERTOS
    FormaPagamentoContr...
    FornecedorController.p...
  SYSTEMCAR
    Controllers
      FornecedorController.php
    Auth
      CategoriaController.php
      ClienteController.php
      CompraController.php
      Controller.php
      FormaPagamentoControl...
      FornecedorController.php
      HomeController.php
      PageController.php
      ProdutoController.php
      ProfileController.php
      UserController.php
      VendaController.php
    Middleware
    Requests
    Kernel.php
    Models
    Policies
    Providers
    Rules
    bootstrap
    config
    database
    public

app > Http > Controllers > FornecedorController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Fornecedor;
6  use Illuminate\Http\Request;
7
8  class FornecedorController extends Controller
9  {
10
11     /**
12      * Display a listing of the resource.
13      *
14      * @return \Illuminate\Http\Response
15      */
16     public function index()
17     {
18         $fornecedores = Fornecedor::all();
19         return view('pages.fornecedor.index', compact('fornecedores'));
20     }
21
22     /**
23      * Show the form for creating a new resource.
24      *
25      * @return \Illuminate\Http\Response
26      */
27     public function create()
28     {
29         return view('pages.fornecedor.create');
30     }
31
32 }
```

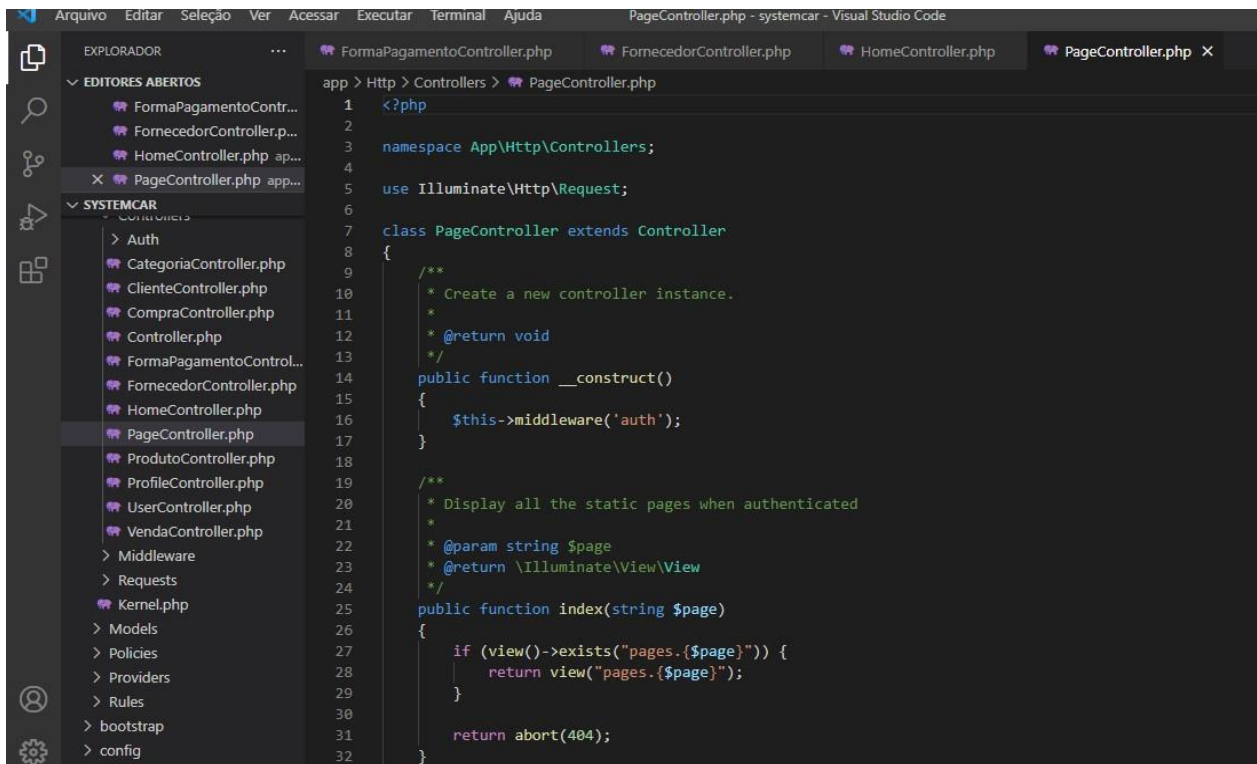
homeController.php

```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  Terminal  Ajuda  HomeController.php - systemcar - Visual Studio Code

EXPLORADOR
  EDITORES ABERTOS
    FormaPagamentoContr...
    FornecedorController.p...
    HomeController.php ap...
  SYSTEMCAR
    Controllers
      HomeController.php
    Auth
      CategoriaController.php
      ClienteController.php
      CompraController.php
      Controller.php
      FormaPagamentoControl...
      FornecedorController.php
      HomeController.php
      PageController.php
      ProdutoController.php
      ProfileController.php
      UserController.php
      VendaController.php
    Middleware
    Requests
    Kernel.php
    Models
    Policies
    Providers
    Rules
    bootstrap
    config
    database
    public

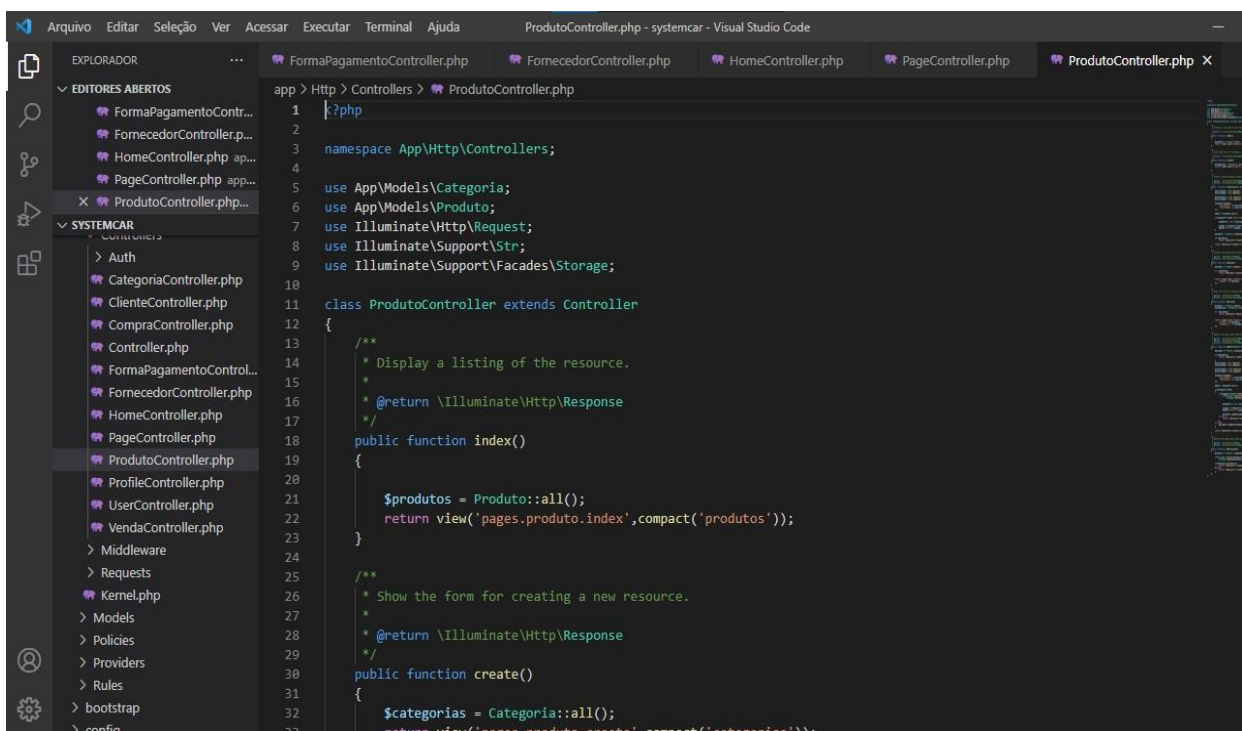
app > Http > Controllers > HomeController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Cliente;
6  use App\Models\Fornecedor;
7  use App\Models\Produto;
8  use App\Models\Venda;
9  use Illuminate\Support\Facades\DB;
10
11  class HomeController extends Controller
12  {
13
14     /**
15      * Create a new controller instance.
16      *
17      * @return void
18      */
19     public function __construct()
20     {
21         $this->middleware('auth');
22     }
23
24     /**
25      * Show the application dashboard.
26      *
27      * @return \Illuminate\View\View
28      */
29     public function index()
30     {
31         $carros = Produto::get();
32         $clientes = Cliente::get();
33         $fornecedores = Fornecedor::get();
34         $vendas = Venda::get();
35     }
36 }
```

pageController.php



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class PageController extends Controller
8 {
9     /**
10      * Create a new controller instance.
11      *
12      * @return void
13      */
14     public function __construct()
15     {
16         $this->middleware('auth');
17     }
18
19     /**
20      * Display all the static pages when authenticated
21      *
22      * @param string $page
23      * @return \Illuminate\View\View
24      */
25     public function index(string $page)
26     {
27         if (view()->exists("pages.{$page}")) {
28             return view("pages.{$page}");
29         }
30
31         return abort(404);
32     }
33 }
```

produtoController.php



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Categoria;
6 use App\Models\Produto;
7 use Illuminate\Http\Request;
8 use Illuminate\Support\Str;
9 use Illuminate\Support\Facades\Storage;
10
11 class ProdutoController extends Controller
12 {
13     /**
14      * Display a listing of the resource.
15      *
16      * @return \Illuminate\Http\Response
17      */
18     public function index()
19     {
20         $produtos = Produto::all();
21         return view('pages.produto.index', compact('produtos'));
22     }
23
24     /**
25      * Show the form for creating a new resource.
26      *
27      * @return \Illuminate\Http\Response
28      */
29     public function create()
30     {
31         $categorias = Categoria::all();
32         return view('pages.produto.create', compact('categorias'));
33     }
34 }
```

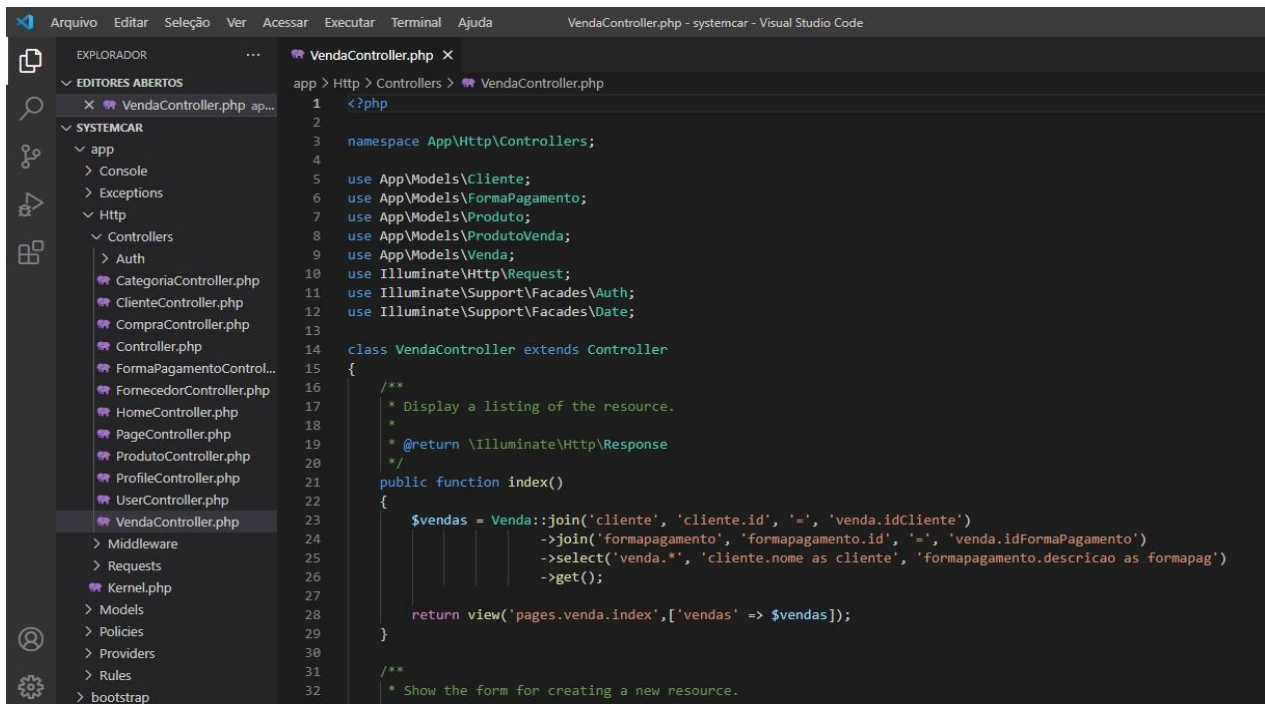
profileController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Http\Requests\ProfileRequest;
6 use App\Http\Requests>PasswordRequest;
7 use Illuminate\Support\Facades\Hash;
8
9 class ProfileController extends Controller
10 {
11     /**
12      * Show the form for editing the profile.
13      *
14      * @return \Illuminate\View\View
15      */
16     public function edit()
17     {
18         return view('profile.edit');
19     }
20
21     /**
22      * Update the profile
23      *
24      * @param \App\Http\Requests\ProfileRequest $request
25      * @return \Illuminate\Http\RedirectResponse
26      */
27     public function update(ProfileRequest $request)
28     {
29         auth()->user()->update($request->all());
30
31         return back()->withStatus(__('Profile successfully updated.'));
32     }
33 }
```

UserController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\User;
6 use App\Http\Requests\UserRequest;
7 use Illuminate\Support\Facades\Hash;
8
9 class UserController extends Controller
10 {
11     /**
12      * Display a listing of the users
13      *
14      * @param \App\Models\User $model
15      * @return \Illuminate\View\View
16      */
17     public function index(User $model)
18     {
19         return view('users.index', ['users' => $model->paginate(15)]);
20     }
21 }
22 }
```

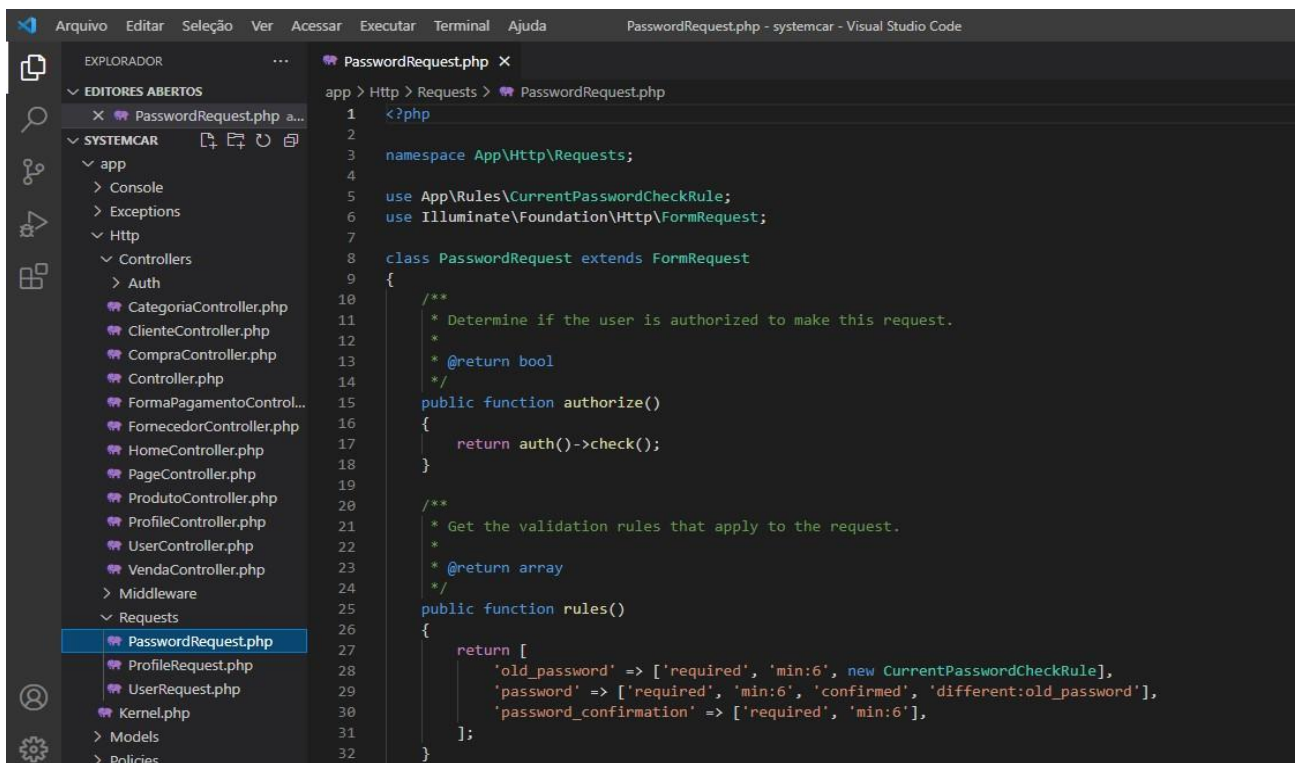

vendaController.php



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Cliente;
6 use App\Models\FormaPagamento;
7 use App\Models\Produto;
8 use App\Models\ProdutoVenda;
9 use App\Models\Venda;
10 use Illuminate\Http\Request;
11 use Illuminate\Support\Facades\Auth;
12 use Illuminate\Support\Facades>Date;
13
14 class VendaController extends Controller
15 {
16     /**
17      * Display a listing of the resource.
18      *
19      * @return \Illuminate\Http\Response
20      */
21     public function index()
22     {
23         $vendas = Venda::join('cliente', 'cliente.id', '=', 'venda.idCliente')
24             ->join('formapagamento', 'formapagamento.id', '=', 'venda.idFormaPagamento')
25             ->select('venda.*', 'cliente.nome as cliente', 'formapagamento.descricao as formapag')
26             ->get();
27
28         return view('pages.venda.index', ['vendas' => $vendas]);
29     }
30
31     /**
32      * Show the form for creating a new resource.
33      */
34 }
```

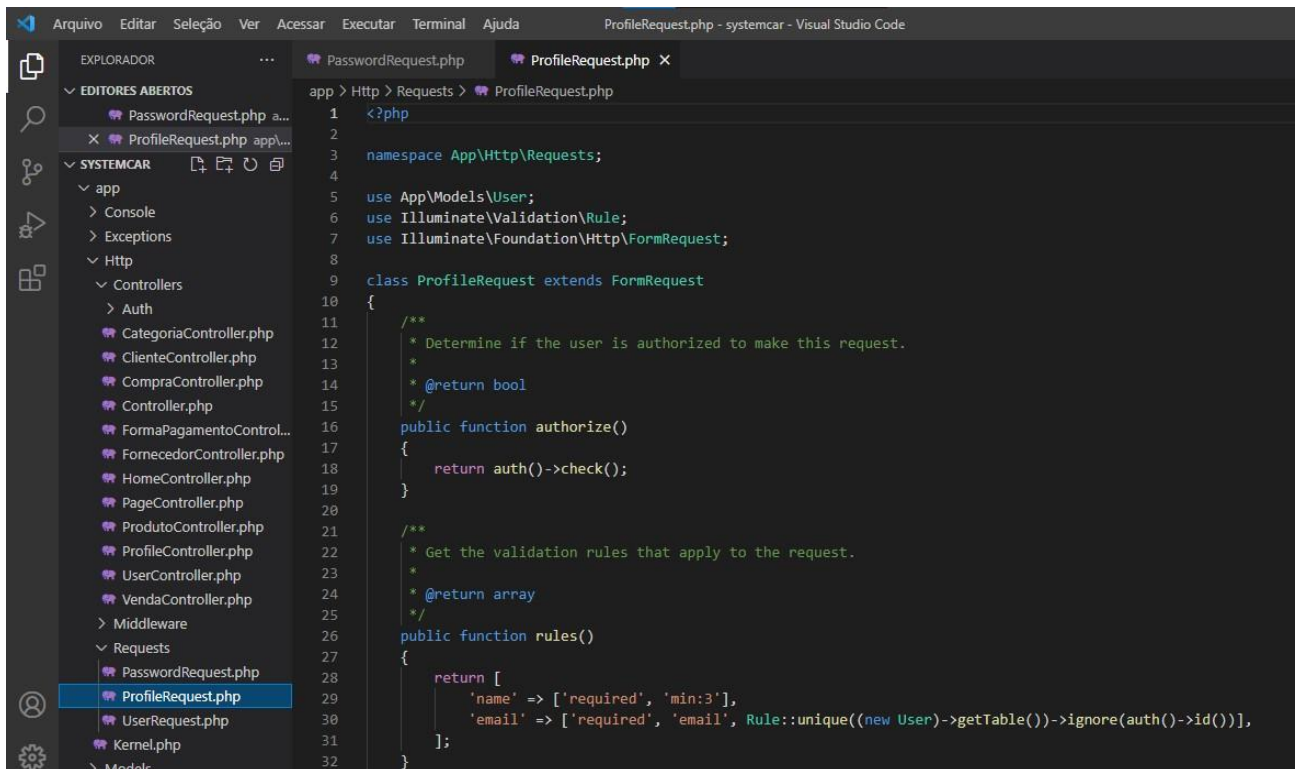
REQUESTS

PasswordRequest.php



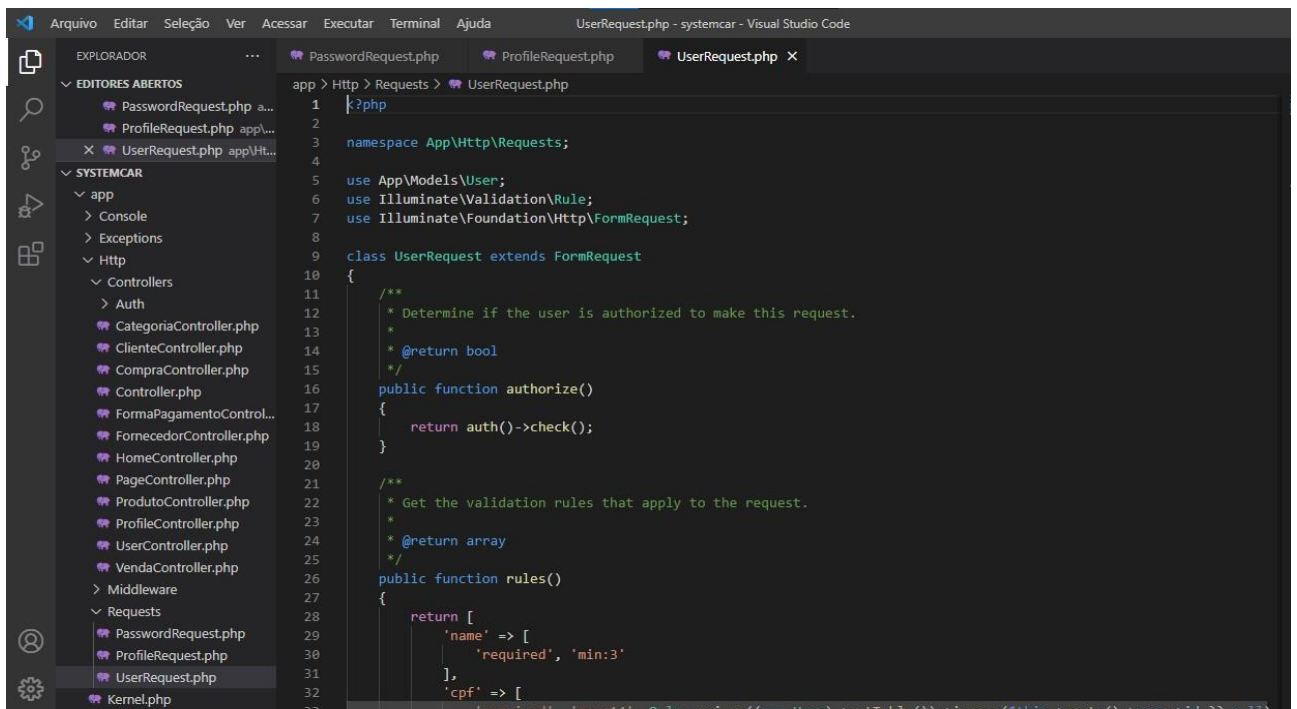
```
1 <?php
2
3 namespace App\Http\Requests;
4
5 use App\Rules\CurrentPasswordCheckRule;
6 use Illuminate\Foundation\Http\FormRequest;
7
8 class PasswordRequest extends FormRequest
9 {
10     /**
11      * Determine if the user is authorized to make this request.
12      *
13      * @return bool
14      */
15     public function authorize()
16     {
17         return auth()->check();
18     }
19
20     /**
21      * Get the validation rules that apply to the request.
22      *
23      * @return array
24      */
25     public function rules()
26     {
27         return [
28             'old_password' => ['required', 'min:6', new CurrentPasswordCheckRule],
29             'password' => ['required', 'min:6', 'confirmed', 'different:old_password'],
30             'password_confirmation' => ['required', 'min:6'],
31         ];
32     }
33 }
```


ProfileRequest.php



```
1 <?php
2
3 namespace App\Http\Requests;
4
5 use App\Models\User;
6 use Illuminate\Validation\Rule;
7 use Illuminate\Foundation\Http\FormRequest;
8
9 class ProfileRequest extends FormRequest
10 {
11     /**
12      * Determine if the user is authorized to make this request.
13      *
14      * @return bool
15      */
16     public function authorize()
17     {
18         return auth()->check();
19     }
20
21     /**
22      * Get the validation rules that apply to the request.
23      *
24      * @return array
25      */
26     public function rules()
27     {
28         return [
29             'name' => ['required', 'min:3'],
30             'email' => ['required', 'email', Rule::unique((new User)->getTable())->ignore(auth()->id())],
31         ];
32     }
33 }
```

userRequest.php



```
1 <?php
2
3 namespace App\Http\Requests;
4
5 use App\Models\User;
6 use Illuminate\Validation\Rule;
7 use Illuminate\Foundation\Http\FormRequest;
8
9 class UserRequest extends FormRequest
10 {
11     /**
12      * Determine if the user is authorized to make this request.
13      *
14      * @return bool
15      */
16     public function authorize()
17     {
18         return auth()->check();
19     }
20
21     /**
22      * Get the validation rules that apply to the request.
23      *
24      * @return array
25      */
26     public function rules()
27     {
28         return [
29             'name' => [
30                 'required', 'min:3'
31             ],
32             'cpf' => [
33                 'required', 'max:14', Rule::unique((new User)->getTable())->ignore($this->route()->user->id ?? null)
34             ]
35         ];
36     }
37 }
```