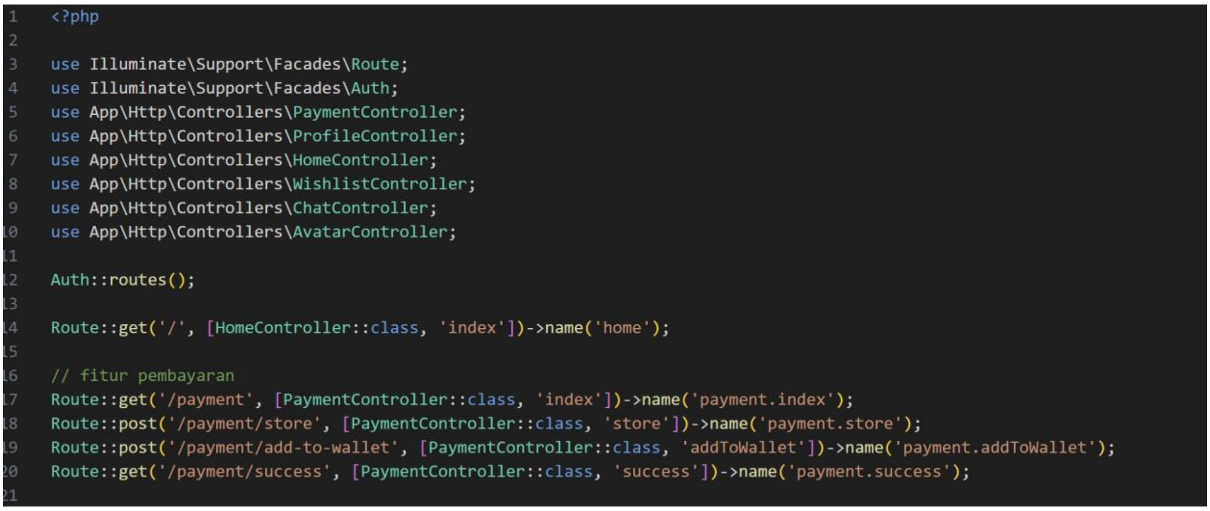
Nama : Aida Hanifa

NIM : 2602078764

LB01

Final Assignment Web Programming

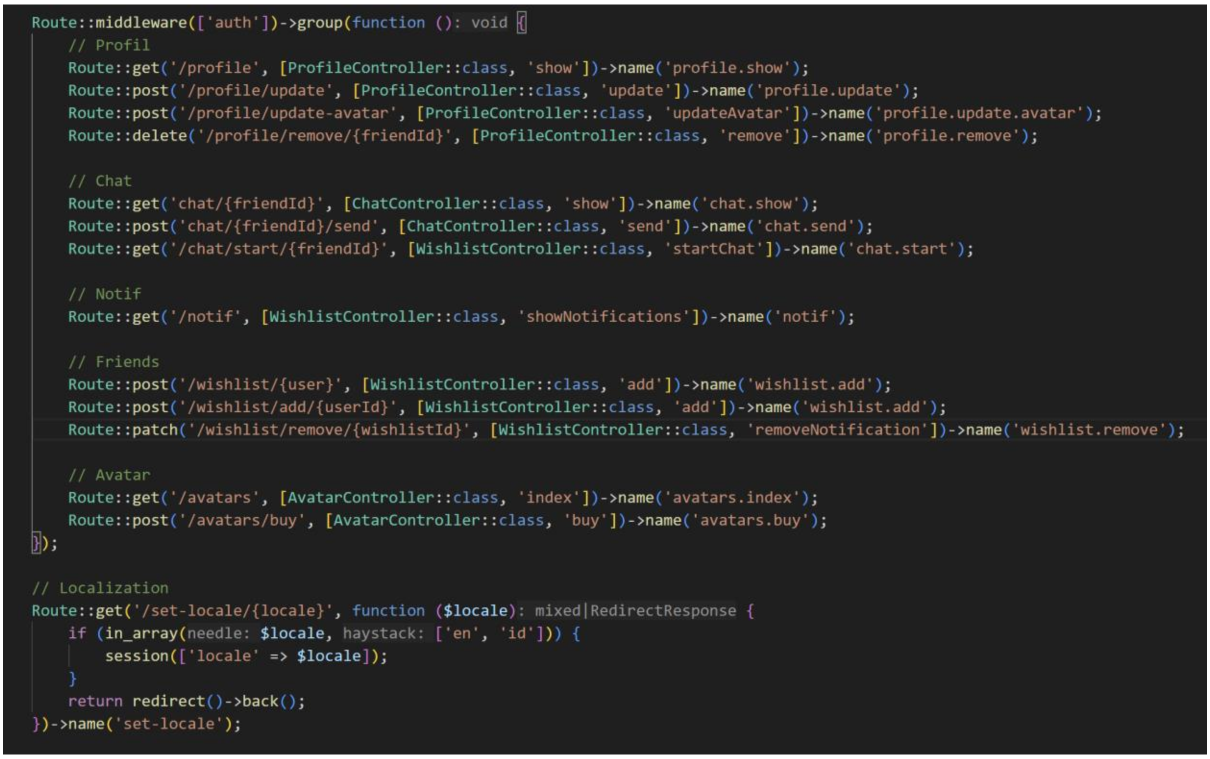
Routes



```php
<?php

use Illuminate\Support\Facades\Route;
use Illuminate\Support\Facades\Auth;
use App\Http\Controllers\PaymentController;
use App\Http\Controllers\ProfileController;
use App\Http\Controllers\HomeController;
use App\Http\Controllers\WishlistController;
use App\Http\Controllers\ChatController;
use App\Http\Controllers\AvatarController;

Auth::routes();

Route::get('/', [HomeController::class, 'index'])->name('home');

// fitur pembayaran
Route::get('/payment', [PaymentController::class, 'index'])->name('payment.index');
Route::post('/payment/store', [PaymentController::class, 'store'])->name('payment.store');
Route::post('/payment/add-to-wallet', [PaymentController::class, 'addToWallet'])->name('payment.addToWallet');
Route::get('/payment/success', [PaymentController::class, 'success'])->name('payment.success');

```

Code di atas merupakan route address untuk mengakses berbagai fitur. Route ini mencakup berbagai halaman dan fungsi, namun dengan syarat harus ter autentikasi. Penjelasannya:

- **Route '/'**: Mengakses halaman utama (home) menggunakan HomeController.
- **Route '/payment'**: Mengakses halaman pembayaran.



```php
Route::middleware(['auth'])->group(function (): void {
    // Profil
    Route::get('/profile', [ProfileController::class, 'show'])->name('profile.show');
    Route::post('/profile/update', [ProfileController::class, 'update'])->name('profile.update');
    Route::post('/profile/update-avatar', [ProfileController::class, 'updateAvatar'])->name('profile.update.avatar');
    Route::delete('/profile/remove/{friendId}', [ProfileController::class, 'remove'])->name('profile.remove');

    // Chat
    Route::get('chat/{friendId}', [ChatController::class, 'show'])->name('chat.show');
    Route::post('chat/{friendId}/send', [ChatController::class, 'send'])->name('chat.send');
    Route::get('/chat/start/{friendId}', [WishlistController::class, 'startChat'])->name('chat.start');

    // Notif
    Route::get('/notif', [WishlistController::class, 'showNotifications'])->name('notif');

    // Friends
    Route::post('/wishlist/{user}', [WishlistController::class, 'add'])->name('wishlist.add');
    Route::post('/wishlist/add/{userId}', [WishlistController::class, 'add'])->name('wishlist.add');
    Route::patch('/wishlist/remove/{wishlistId}', [WishlistController::class, 'removeNotification'])->name('wishlist.remove');

    // Avatar
    Route::get('/avatars', [AvatarController::class, 'index'])->name('avatars.index');
    Route::post('/avatars/buy', [AvatarController::class, 'buy'])->name('avatars.buy');
});

// Localization
Route::get('/set-locale/{locale}', function ($locale): mixed|RedirectResponse {
    if (in_array(needle: $locale, haystack: ['en', 'id'])) {
        session(['locale' => $locale]);
    }
    return redirect()->back();
})->name('set-locale');
```

Code diatas merupakan route address untuk mengakses website pages yang perlu login terlebih dahulu. Dengan middleware auth untuk memastikan hanya pengguna yang sudah login yang dapat mengakses fitur pentignya

Rute yang Memerlukan Autentikasi

Beberapa rute yang dikelompokkan middleware Auth:

- **Profil Pengguna**:
    - GET /profile: Menampilkan halaman profil pengguna.
    - POST /profile/update: Memperbarui data profil.
    - POST /profile/update-avatar: Mengganti avatar pengguna.
    - DELETE /profile/remove/{friendId}: Menghapus teman dari daftar teman.
- **Percakapan dan Chat**:
    - GET /chat/{friendId}: Menampilkan percakapan dengan teman tertentu.
    - POST /chat/{friendId}/send: Mengirim pesan kepada teman tertentu.
    - GET /chat/start/{friendId}: Memulai chat dengan teman.
- **Notifikasi**: /notif: Menampilka notifikasi.
- **Friends**:
    - POST /wishlist/{user} atau POST /wishlist/add/{userId}: Menambahkan pengguna ke wishlist.
    - PATCH /wishlist/remove/{wishlistId}: Meng Ok notifikasi pertemanan tertentu dan dihapuskan dari notif.
- **Avatar**:
    - GET /avatars: Menampilkan daftar avatar yang tersedia.
    - POST /avatars/buy: Membeli avatar pada halaman avatar.

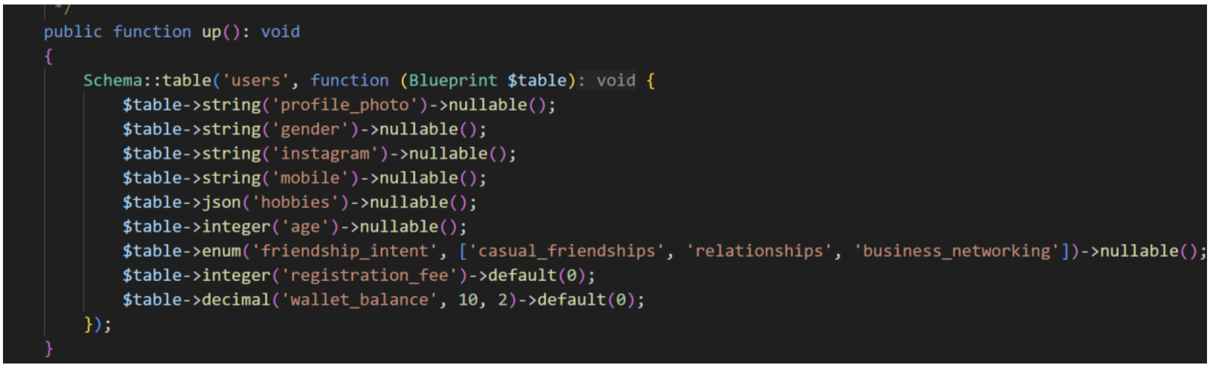
Mengatur Bahasa

- **Route '/set-locale/{locale}'**: Mengatur bahasa aplikasi (English atau Indonesia).
-

Database (Migration and Seeder/Faker)

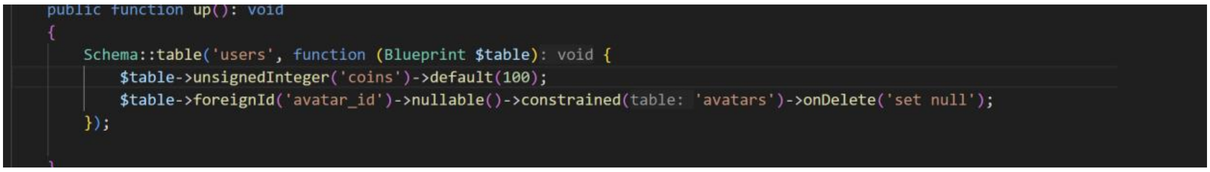
Terdapat total 5 database yang saya gunakan, 2 database digunakan untuk challenges

Migration User:



```
     */
    public function up(): void
    {
        Schema::table('users', function (Blueprint $table): void {
            $table->string('profile_photo')->nullable();
            $table->string('gender')->nullable();
            $table->string('instagram')->nullable();
            $table->string('mobile')->nullable();
            $table->json('hobbies')->nullable();
            $table->integer('age')->nullable();
            $table->enum('friendship_intent', ['casual_friendships', 'relationships', 'business_networking'])->nullable();
            $table->integer('registration_fee')->default(0);
            $table->decimal('wallet_balance', 10, 2)->default(0);
        });
    }
```

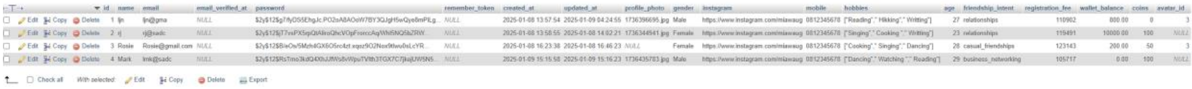
Saya menambahkan column coin dan foreign_key avatar untuk melakukan challenge



```
    public function up(): void
    {
        Schema::table('users', function (Blueprint $table): void {
            $table->unsignedInteger('coins')->default(100);
            $table->foreignId('avatar_id')->nullable()->constrained(table: 'avatars')->onDelete('set null');
        });

    }
```

Pada ini tidak ada seeder karena data didapatkan dari user yang melakukan registration

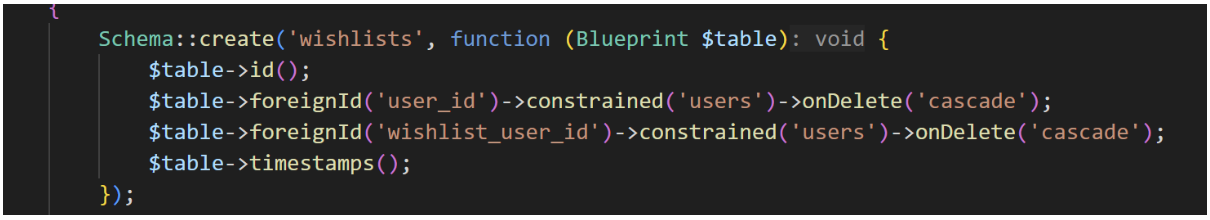
Table Users:



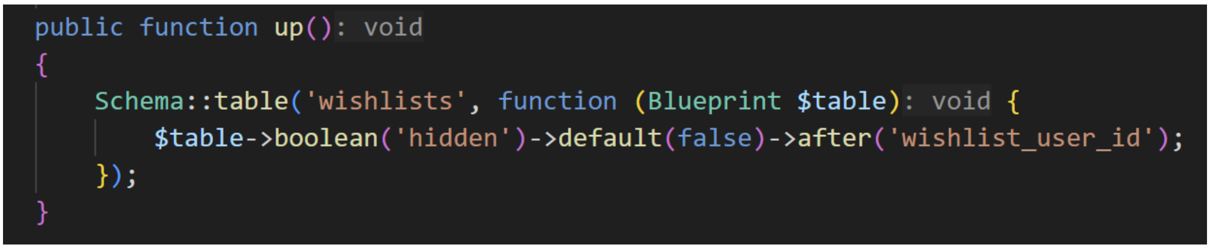
	id	name	email	email_verified_at	password	remember_token	created_at	updated_at	profile_photo	gender	instagram	mobile	hobbies	age	friendship_intent	registration_fee	wallet_balance	coins	avatar_id
□ Edit Copy Delete	1	ljn	ljn@gma	NULL	$2y$12$g7/fyDS5EhgJc.PO2oA8AOoW7BY3QJgH5wQye8mPILg...	NULL	2025-01-08 13:57:54	2025-01-09 04:24:55	1736396695.jpg	Male	https://www.instagram.com/miawaug	0812345678	["Reading"," Hikking"," Writting"]	27	relationships	110902	800.00	0	3
□ Edit Copy Delete	2	rj	rj@sadc	NULL	$2y$12$jT7vsPX5rpQtAlIroQhcVOpFrorccAq/Whl5NQ5bZRW...	NULL	2025-01-08 13:58:55	2025-01-08 14:02:21	1736344941.jpg	Female	https://www.instagram.com/miawaug	0812345678	["Singing"," Cooking "," Writting"]	23	relationships	119491	10000.00	100	NULL
□ Edit Copy Delete	3	Rosie	Rosie@gmail.com	NULL	$2y$12$B/eOw5Mzh4GX6O5rc4zt.xqoz9O2Nox9thwu0sLcYR...	NULL	2025-01-08 16:23:38	2025-01-08 16:46:23	NULL	Female	https://www.instagram.com/miawaug	0812345678	["Cooking"," Singing"," Dancing"]	28	casual_friendships	123143	200.00	50	3
□ Edit Copy Delete	4	Mark	lmk@sadc	NULL	$2y$12$RsTmo3kdQ4XhJJfWs8vWpuTVlth3TGX7C7jkqUW5N5...	NULL	2025-01-09 15:15:58	2025-01-09 15:16:23	1736435783.jpg	Male	https://www.instagram.com/miawaug	0812345678	["Dancing"," Watching "," Reading"]	29	business_networking	105717	0.00	100	NULL

□ Check all With selected: Edit Copy Delete Export

Migration Wishlist (Friends)



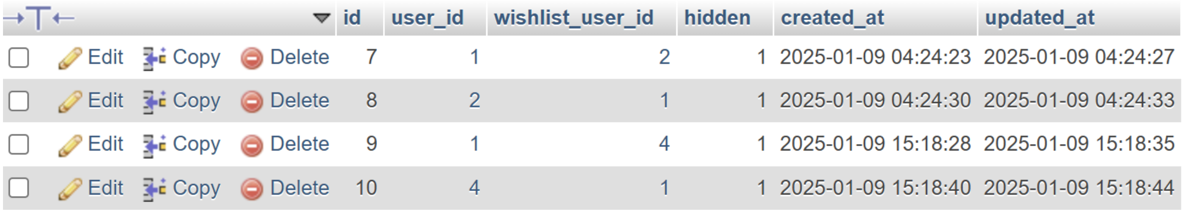
```
    {
        Schema::create('wishlists', function (Blueprint $table): void {
            $table->id();
            $table->foreignId('user_id')->constrained('users')->onDelete('cascade');
            $table->foreignId('wishlist_user_id')->constrained('users')->onDelete('cascade');
            $table->timestamps();
        });
```



```
public function up(): void
{
    Schema::table('wishlists', function (Blueprint $table): void {
        $table->boolean('hidden')->default(false)->after('wishlist_user_id');
    });
}
```

Tambahan columns ‘hidden’ agar notif Ketika sudah diterima dan ditekan button ‘Ok’ maka akan hilang

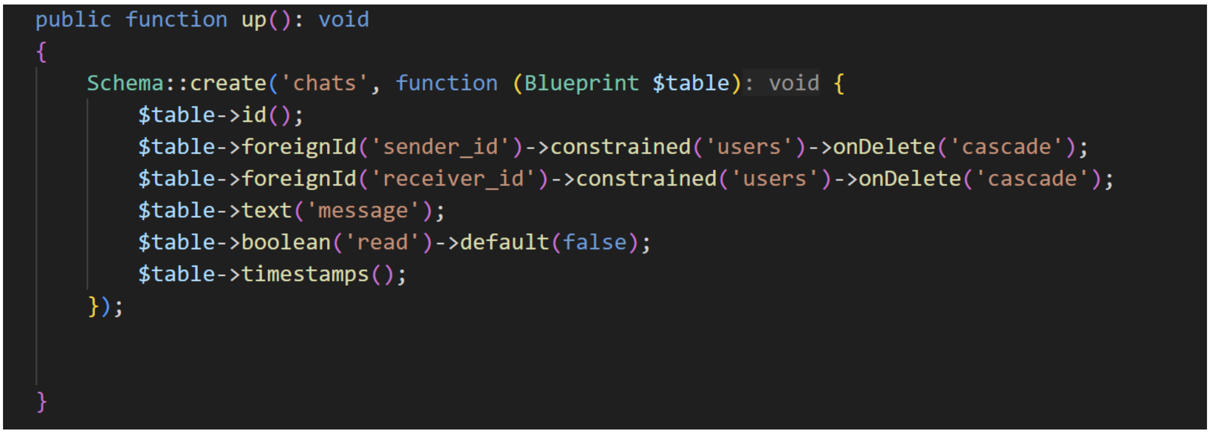
Tabele Whislist:



	id	user_id	wishlist_user_id	hidden	created_at	updated_at
□ Edit Copy Delete	7	1	2	1	2025-01-09 04:24:23	2025-01-09 04:24:27
□ Edit Copy Delete	8	2	1	1	2025-01-09 04:24:30	2025-01-09 04:24:33
□ Edit Copy Delete	9	1	4	1	2025-01-09 15:18:28	2025-01-09 15:18:35
□ Edit Copy Delete	10	4	1	1	2025-01-09 15:18:40	2025-01-09 15:18:44

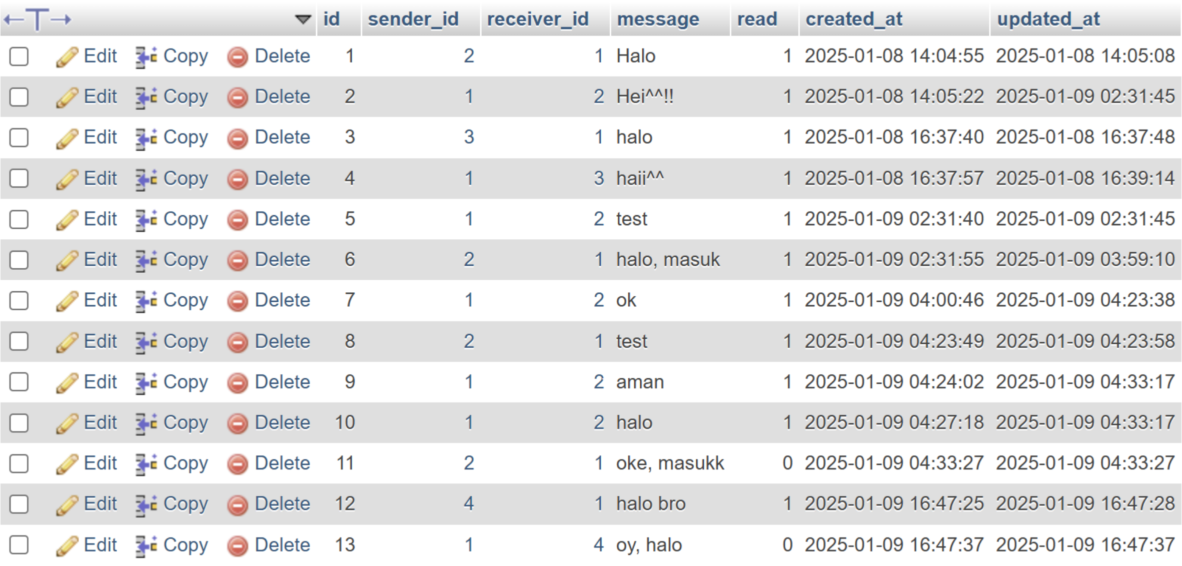
Pada table ini berfungsi sebagai pengiriman request friends

Chats Migration:



```
public function up(): void
{
    Schema::create('chats', function (Blueprint $table): void {
        $table->id();
        $table->foreignId('sender_id')->constrained('users')->onDelete('cascade');
        $table->foreignId('receiver_id')->constrained('users')->onDelete('cascade');
        $table->text('message');
        $table->boolean('read')->default(false);
        $table->timestamps();
    });


}
```

Chats Table:

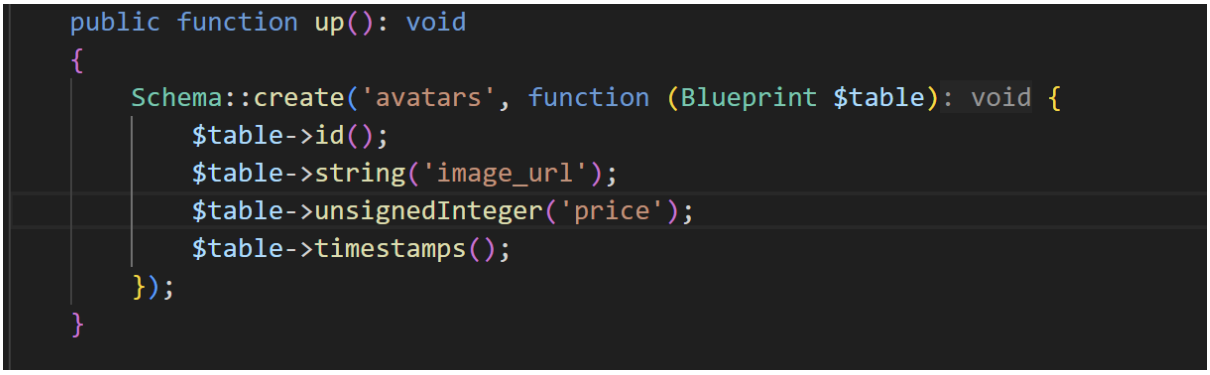


←T→			▾	id	sender_id	receiver_id	message	read	created_at	updated_at
□	Edit	Copy	Delete	1	2	1	Halo	1	2025-01-08 14:04:55	2025-01-08 14:05:08
□	Edit	Copy	Delete	2	1	2	Hei^^!!	1	2025-01-08 14:05:22	2025-01-09 02:31:45
□	Edit	Copy	Delete	3	3	1	halo	1	2025-01-08 16:37:40	2025-01-08 16:37:48
□	Edit	Copy	Delete	4	1	3	haii^^	1	2025-01-08 16:37:57	2025-01-08 16:39:14
□	Edit	Copy	Delete	5	1	2	test	1	2025-01-09 02:31:40	2025-01-09 02:31:45
□	Edit	Copy	Delete	6	2	1	halo, masuk	1	2025-01-09 02:31:55	2025-01-09 03:59:10
□	Edit	Copy	Delete	7	1	2	ok	1	2025-01-09 04:00:46	2025-01-09 04:23:38
□	Edit	Copy	Delete	8	2	1	test	1	2025-01-09 04:23:49	2025-01-09 04:23:58
□	Edit	Copy	Delete	9	1	2	aman	1	2025-01-09 04:24:02	2025-01-09 04:33:17
□	Edit	Copy	Delete	10	1	2	halo	1	2025-01-09 04:27:18	2025-01-09 04:33:17
□	Edit	Copy	Delete	11	2	1	oke, masukk	0	2025-01-09 04:33:27	2025-01-09 04:33:27
□	Edit	Copy	Delete	12	4	1	halo bro	1	2025-01-09 16:47:25	2025-01-09 16:47:28
□	Edit	Copy	Delete	13	1	4	oy, halo	0	2025-01-09 16:47:37	2025-01-09 16:47:37

Sender_id akan sama dengan user mengirim walau dengan teman mana pun begitupun receiver_id

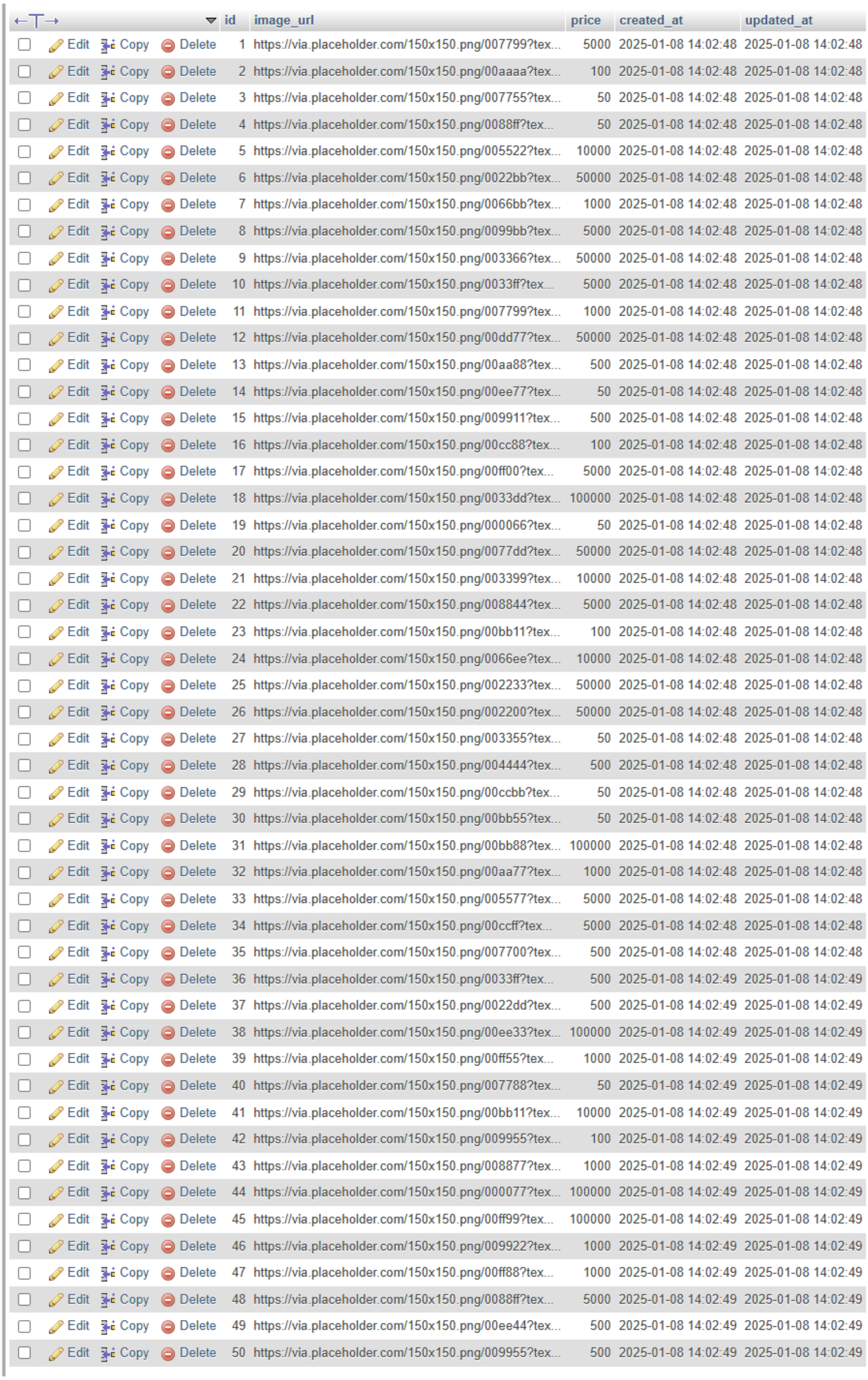
[Challenges Buy Avatar]

Avatar Migrations:



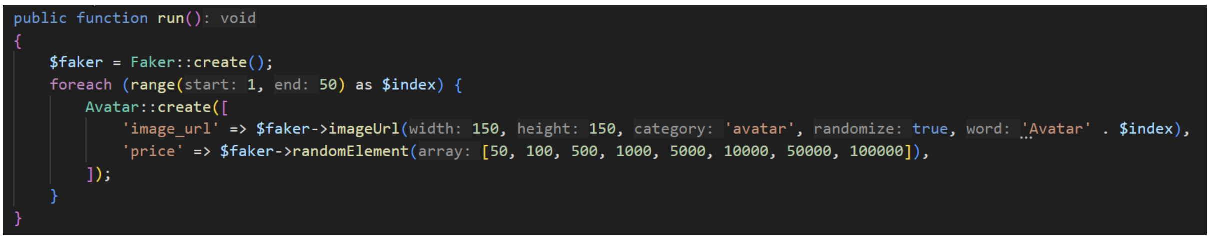
```
public function up(): void
{
    Schema::create('avatars', function (Blueprint $table): void {
        $table->id();
        $table->string('image_url');
        $table->unsignedInteger('price');
        $table->timestamps();
    });
}
```

Avatar Table:



←T→			▼	id	image_url	price	created_at	updated_at
□	Edit	Copy	Delete	1	https://via.placeholder.com/150x150.png/007799?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	2	https://via.placeholder.com/150x150.png/00aaaa?tex...	100	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	3	https://via.placeholder.com/150x150.png/007755?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	4	https://via.placeholder.com/150x150.png/0088ff?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	5	https://via.placeholder.com/150x150.png/005522?tex...	10000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	6	https://via.placeholder.com/150x150.png/0022bb?tex...	50000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	7	https://via.placeholder.com/150x150.png/0066bb?tex...	1000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	8	https://via.placeholder.com/150x150.png/0099bb?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	9	https://via.placeholder.com/150x150.png/003366?tex...	50000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	10	https://via.placeholder.com/150x150.png/0033ff?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	11	https://via.placeholder.com/150x150.png/007799?tex...	1000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	12	https://via.placeholder.com/150x150.png/00dd77?tex...	50000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	13	https://via.placeholder.com/150x150.png/00aa88?tex...	500	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	14	https://via.placeholder.com/150x150.png/00ee77?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	15	https://via.placeholder.com/150x150.png/009911?tex...	500	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	16	https://via.placeholder.com/150x150.png/00cc88?tex...	100	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	17	https://via.placeholder.com/150x150.png/00ff00?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	18	https://via.placeholder.com/150x150.png/0033dd?tex...	100000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	19	https://via.placeholder.com/150x150.png/000066?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	20	https://via.placeholder.com/150x150.png/0077dd?tex...	50000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	21	https://via.placeholder.com/150x150.png/003399?tex...	10000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	22	https://via.placeholder.com/150x150.png/008844?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	23	https://via.placeholder.com/150x150.png/00bb11?tex...	100	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	24	https://via.placeholder.com/150x150.png/0066ee?tex...	10000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	25	https://via.placeholder.com/150x150.png/002233?tex...	50000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	26	https://via.placeholder.com/150x150.png/002200?tex...	50000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	27	https://via.placeholder.com/150x150.png/003355?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	28	https://via.placeholder.com/150x150.png/004444?tex...	500	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	29	https://via.placeholder.com/150x150.png/00ccbb?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	30	https://via.placeholder.com/150x150.png/00bb55?tex...	50	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	31	https://via.placeholder.com/150x150.png/00bb88?tex...	100000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	32	https://via.placeholder.com/150x150.png/00aa77?tex...	1000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	33	https://via.placeholder.com/150x150.png/005577?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	34	https://via.placeholder.com/150x150.png/00ccff?tex...	5000	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	35	https://via.placeholder.com/150x150.png/007700?tex...	500	2025-01-08 14:02:48	2025-01-08 14:02:48
□	Edit	Copy	Delete	36	https://via.placeholder.com/150x150.png/0033ff?tex...	500	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	37	https://via.placeholder.com/150x150.png/0022dd?tex...	500	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	38	https://via.placeholder.com/150x150.png/00ee33?tex...	100000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	39	https://via.placeholder.com/150x150.png/00ff55?tex...	1000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	40	https://via.placeholder.com/150x150.png/007788?tex...	50	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	41	https://via.placeholder.com/150x150.png/00bb11?tex...	10000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	42	https://via.placeholder.com/150x150.png/009955?tex...	100	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	43	https://via.placeholder.com/150x150.png/008877?tex...	1000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	44	https://via.placeholder.com/150x150.png/000077?tex...	100000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	45	https://via.placeholder.com/150x150.png/00ff99?tex...	100000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	46	https://via.placeholder.com/150x150.png/009922?tex...	1000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	47	https://via.placeholder.com/150x150.png/00ff88?tex...	1000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	48	https://via.placeholder.com/150x150.png/0088ff?tex...	5000	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	49	https://via.placeholder.com/150x150.png/00ee44?tex...	500	2025-01-08 14:02:49	2025-01-08 14:02:49
□	Edit	Copy	Delete	50	https://via.placeholder.com/150x150.png/009955?tex...	500	2025-01-08 14:02:49	2025-01-08 14:02:49

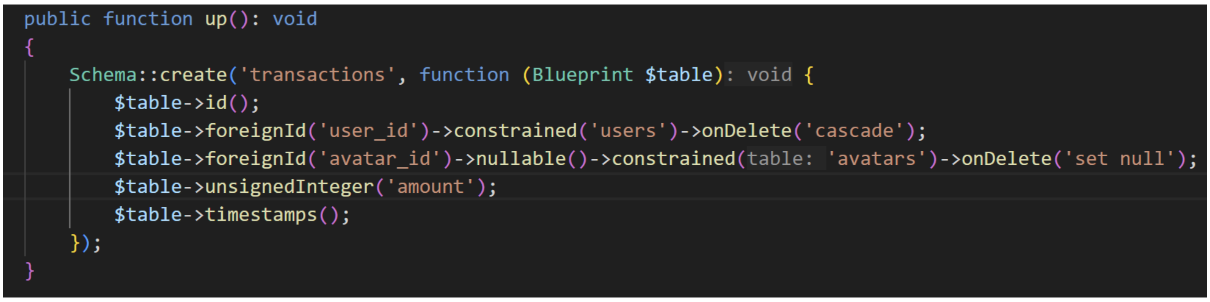
Seeder



```
public function run(): void
{
    $faker = Faker::create();
    foreach (range(start: 1, end: 50) as $index) {
        Avatar::create([
            'image_url' => $faker->imageUrl(width: 150, height: 150, category: 'avatar', randomize: true, word: 'Avatar' . $index),
            'price' => $faker->randomElement(array: [50, 100, 500, 1000, 5000, 10000, 50000, 100000]),
        ]);
    }
}
```

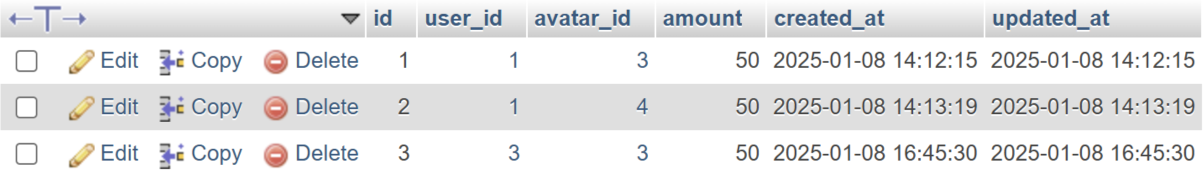
Pada Avatar menggunakan sedder faker untuk datanya sesuai ketentuan challenge

Transaction Migrations:



```
public function up(): void
{
    Schema::create('transactions', function (Blueprint $table): void {
        $table->id();
        $table->foreignId('user_id')->constrained('users')->onDelete('cascade');
        $table->foreignId('avatar_id')->nullable()->constrained(table: 'avatars')->onDelete('set null');
        $table->unsignedInteger('amount');
        $table->timestamps();
    });
}
```

Transaction Table:

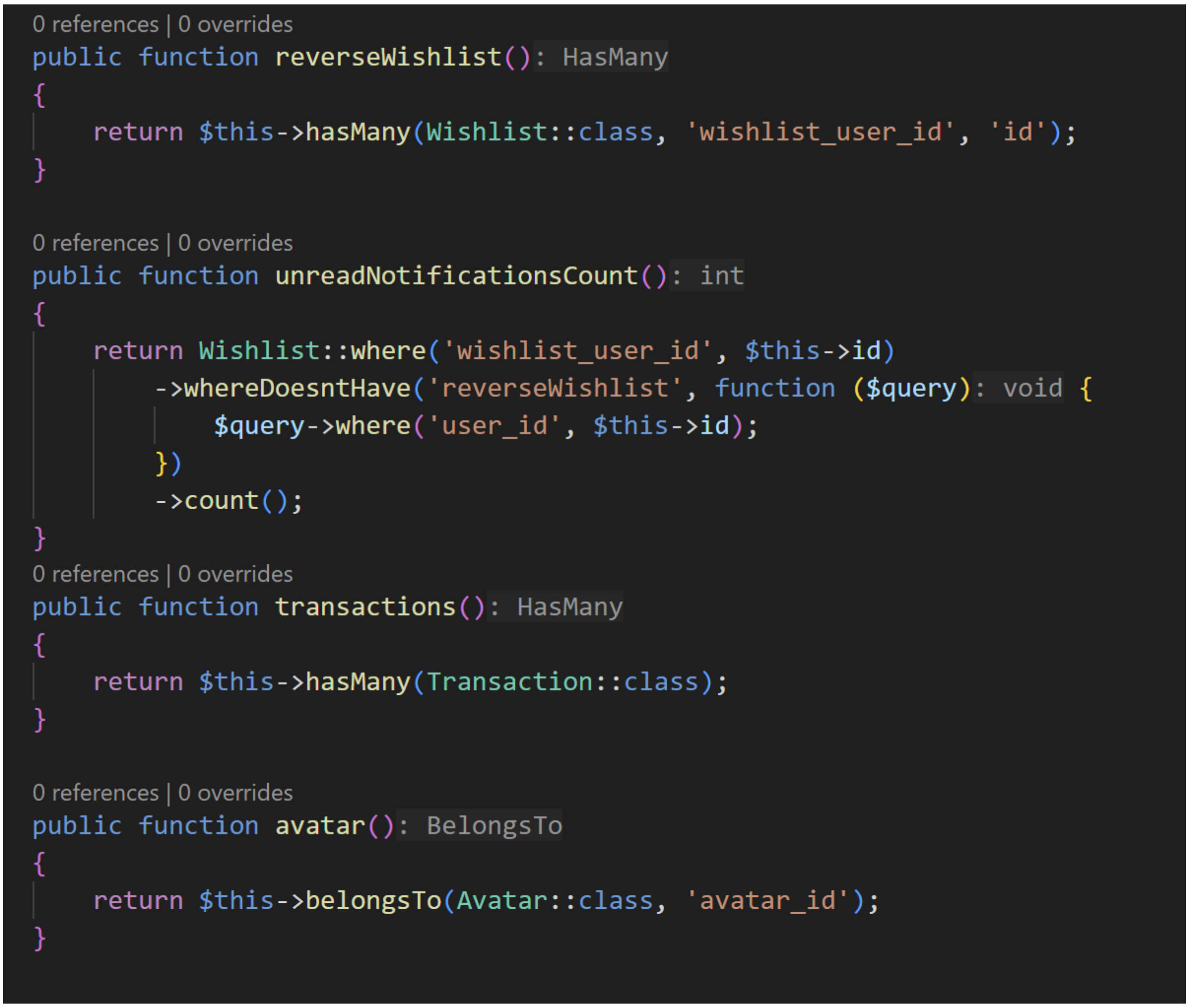


←T→ ▼	id	user_id	avatar_id	amount	created_at	updated_at
□ Edit Copy Delete	1	1	3	50	2025-01-08 14:12:15	2025-01-08 14:12:15
□ Edit Copy Delete	2	1	4	50	2025-01-08 14:13:19	2025-01-08 14:13:19
□ Edit Copy Delete	3	3	3	50	2025-01-08 16:45:30	2025-01-08 16:45:30

Ini adalah database yang menyimpan transaksi dari avatar yang dibeli oleh para user.

Model

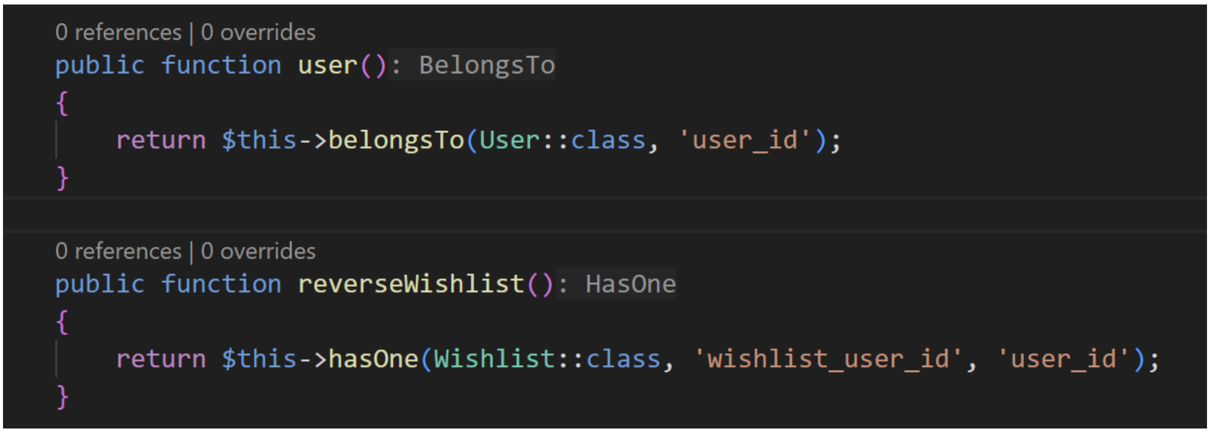
Class User:



```
0 references | 0 overrides
public function reverseWishlist(): HasMany
{
    return $this->hasMany(Wishlist::class, 'wishlist_user_id', 'id');
}

0 references | 0 overrides
public function unreadNotificationsCount(): int
{
    return Wishlist::where('wishlist_user_id', $this->id)
        ->whereDoesntHave('reverseWishlist', function ($query): void {
            $query->where('user_id', $this->id);
        })
        ->count();
}
0 references | 0 overrides
public function transactions(): HasMany
{
    return $this->hasMany(Transaction::class);
}

0 references | 0 overrides
public function avatar(): BelongsTo
{
    return $this->belongsTo(Avatar::class, 'avatar_id');
}
```

User dapat memiliki banyak request teman, dan dapat melakkukan banyak transaksi, Memilkki relasi ke avatar ntuk dapat mengganti profile dengan avatar yg dibeli.

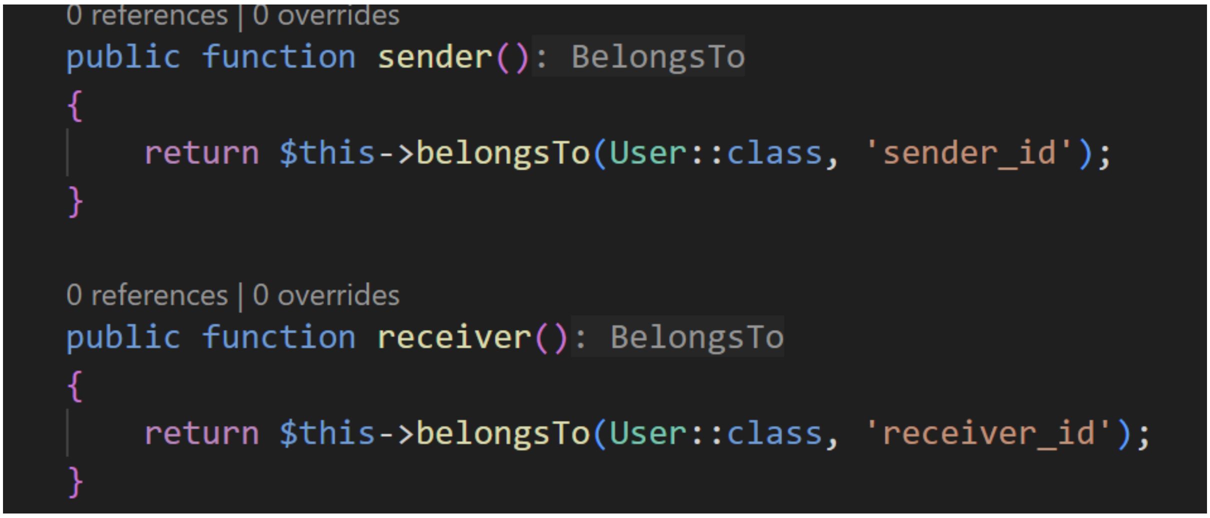
Class Wishlist:



```
0 references | 0 overrides
public function user(): BelongsTo
{
    return $this->belongsTo(User::class, 'user_id');
}

0 references | 0 overrides
public function reverseWishlist(): HasOne
{
    return $this->hasOne(Wishlist::class, 'wishlist_user_id', 'user_id');
}
```

Memilkki relasi ke user yang mengirim pesan , dan memiliki hubungan satu arah dengan request teman untuk mengecek hubumgan mutual dalam berteman

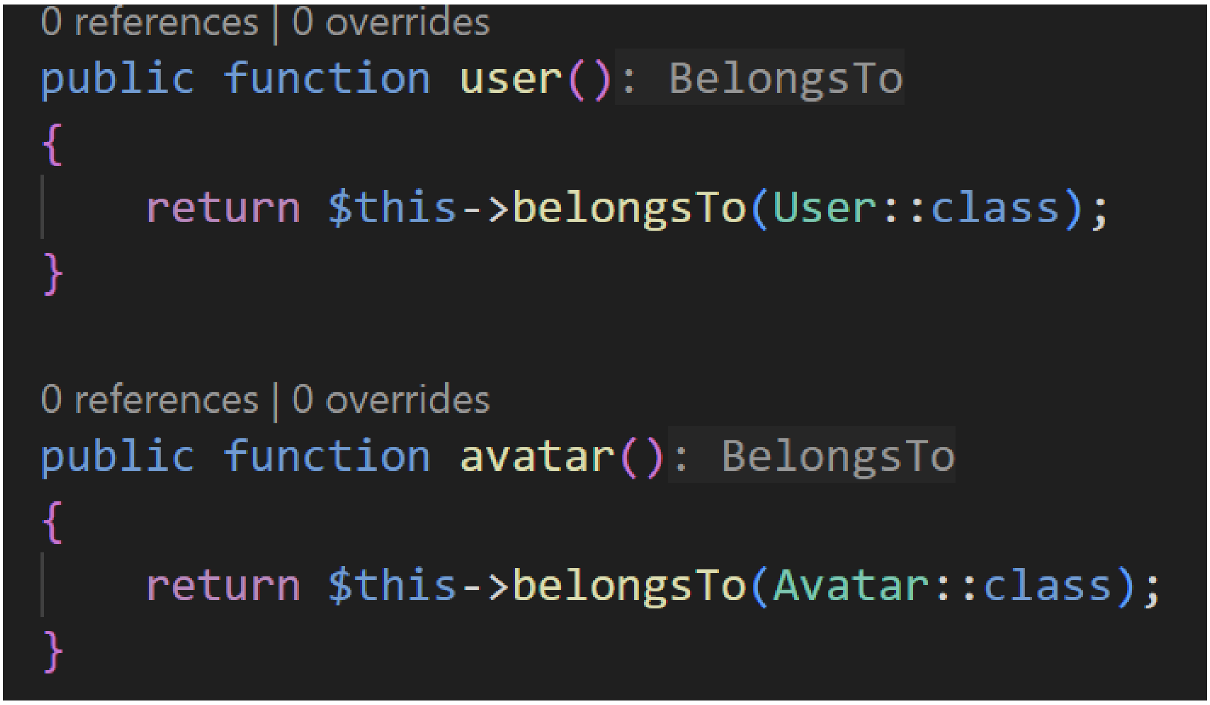
Class Chat:



```
0 references | 0 overrides
public function sender(): BelongsTo
{
    return $this->belongsTo(User::class, 'sender_id');
}

0 references | 0 overrides
public function receiver(): BelongsTo
{
    return $this->belongsTo(User::class, 'receiver_id');
}
```

Memilkki relasi ke user yang mengirim pesan dan teman sebagai penerima.

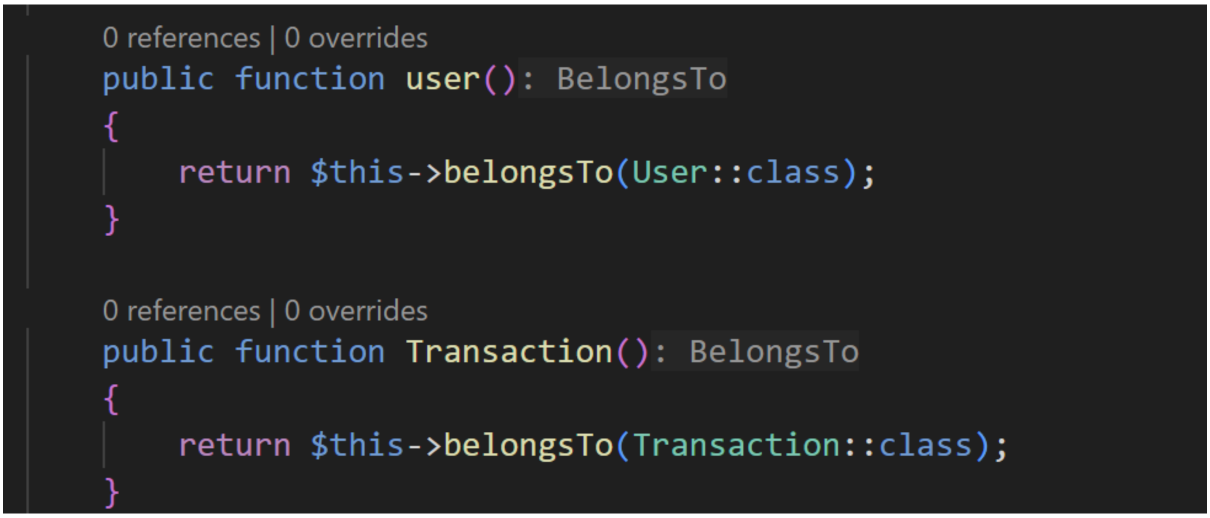
Class Transactions:



```
0 references | 0 overrides
public function user(): BelongsTo
{
    return $this->belongsTo(User::class);
}

0 references | 0 overrides
public function avatar(): BelongsTo
{
    return $this->belongsTo(Avatar::class);
}
```

Memiliki relasi ke user dan avatar

Class Avatar:

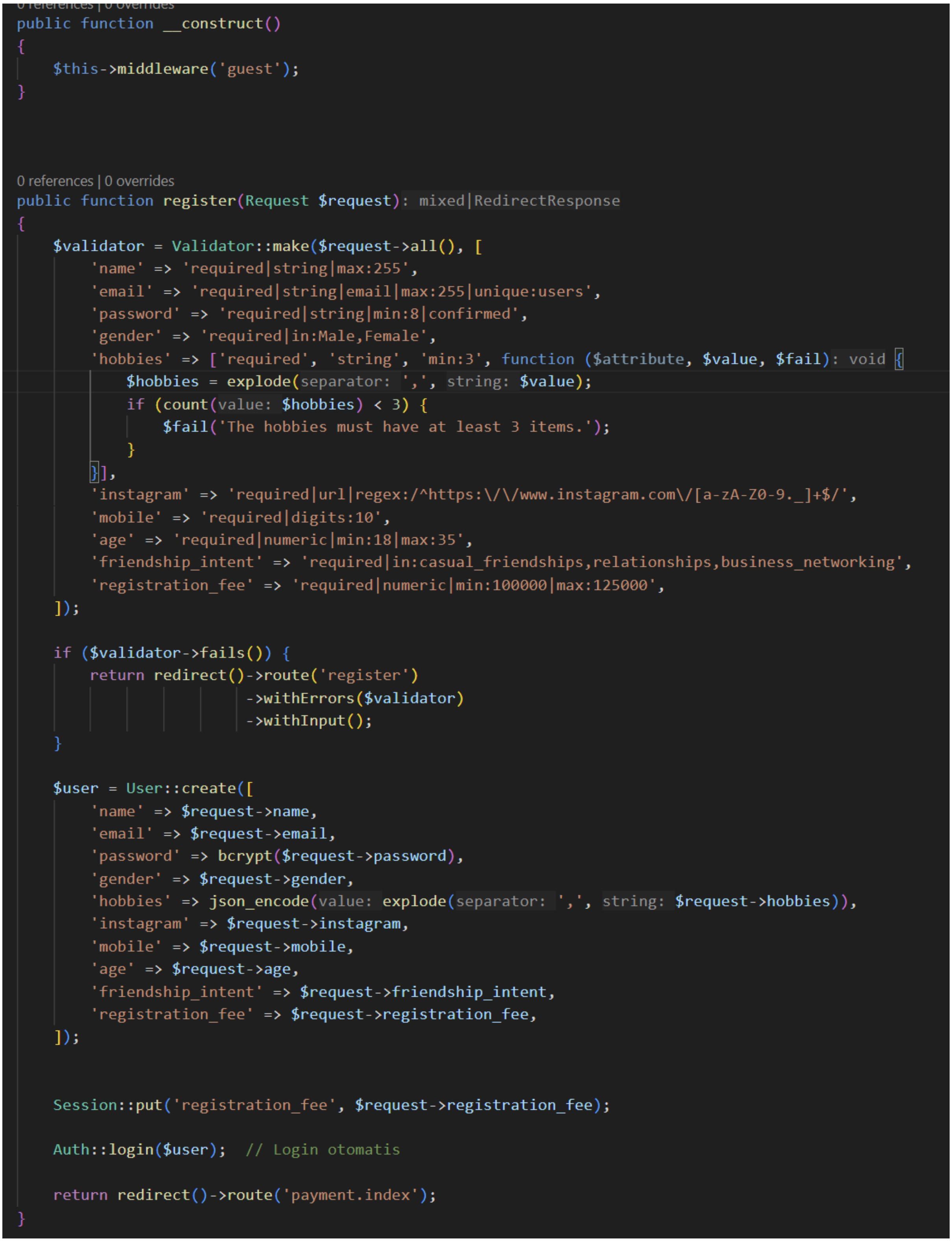


```
    0 references | 0 overrides
    public function user(): BelongsTo
    {
        return $this->belongsTo(User::class);
    }

    0 references | 0 overrides
    public function Transaction(): BelongsTo
    {
        return $this->belongsTo(Transaction::class);
    }
```

Memiliki relasi ke user dan Transaction.

Controller

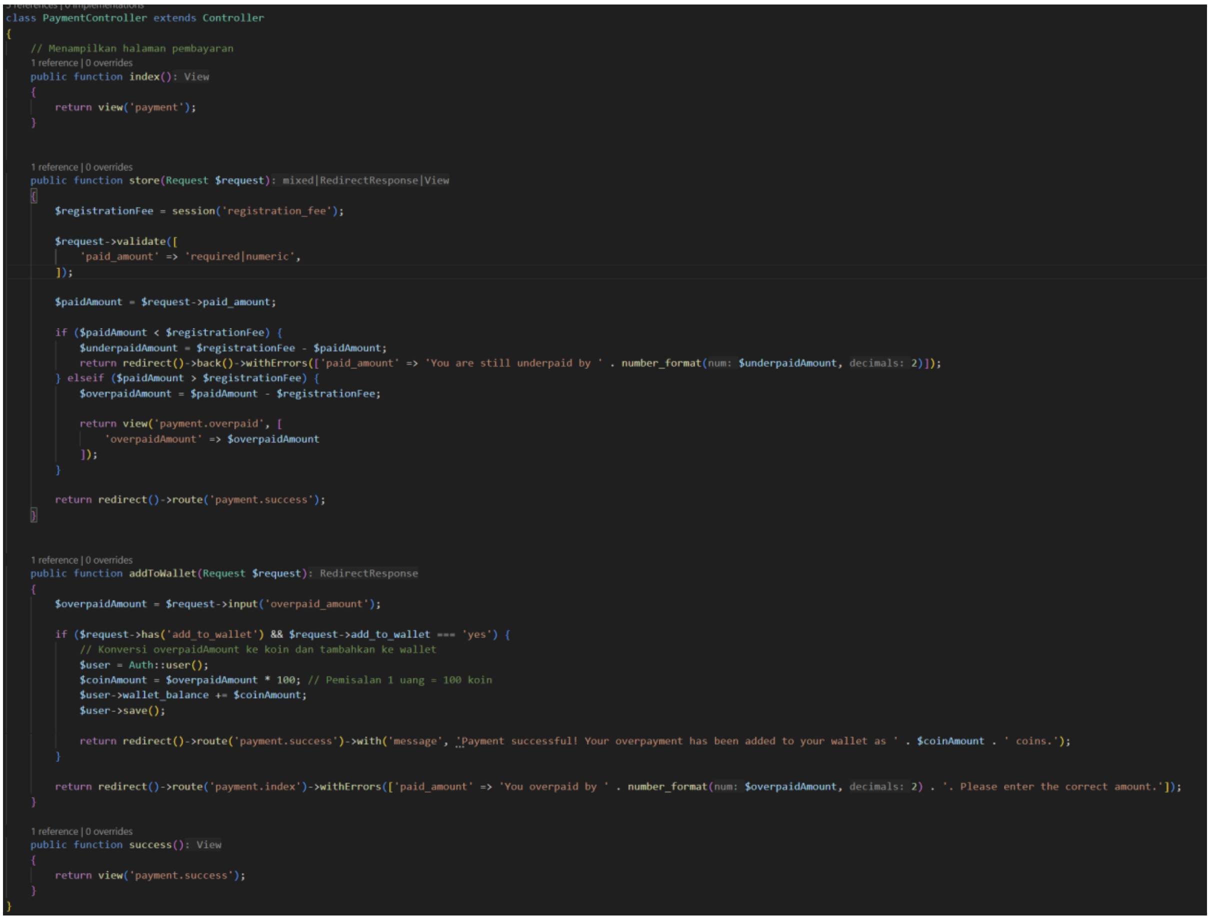
Register Controller:



```
0 references | 0 overrides
public function __construct()
{
    $this->middleware('guest');
}



0 references | 0 overrides
public function register(Request $request): mixed|RedirectResponse
{
    $validator = Validator::make($request->all(), [
        'name' => 'required|string|max:255',
        'email' => 'required|string|email|max:255|unique:users',
        'password' => 'required|string|min:8|confirmed',
        'gender' => 'required|in:Male,Female',
        'hobbies' => ['required', 'string', 'min:3', function ($attribute, $value, $fail): void {
            $hobbies = explode(separator: ',', string: $value);
            if (count(value: $hobbies) < 3) {
                $fail('The hobbies must have at least 3 items.');
            }
        }],
        'instagram' => 'required|url|regex:/^https:\/\/www.instagram.com\/[a-zA-Z0-9._]+$/',
        'mobile' => 'required|digits:10',
        'age' => 'required|numeric|min:18|max:35',
        'friendship_intent' => 'required|in:casual_friendships,relationships,business_networking',
        'registration_fee' => 'required|numeric|min:100000|max:125000',
    ]);

    if ($validator->fails()) {
        return redirect()->route('register')
                        ->withErrors($validator)
                        ->withInput();
    }

    $user = User::create([
        'name' => $request->name,
        'email' => $request->email,
        'password' => bcrypt($request->password),
        'gender' => $request->gender,
        'hobbies' => json_encode(value: explode(separator: ',', string: $request->hobbies)),
        'instagram' => $request->instagram,
        'mobile' => $request->mobile,
        'age' => $request->age,
        'friendship_intent' => $request->friendship_intent,
        'registration_fee' => $request->registration_fee,
    ]);


    Session::put('registration_fee', $request->registration_fee);

    Auth::login($user);  // Login otomatis

    return redirect()->route('payment.index');
}
```

menangani proses registrasi pengguna baru pada aplikasi. Controller ini berisi fungsi-fungsi yang mengatur validasi data, pembuatan akun pengguna yang akan berhasil Ketika syarat sudah ditentukan. Setelah data valid, pengguna akan diarahkan ke halaman pembayaran dengan route payment.index.

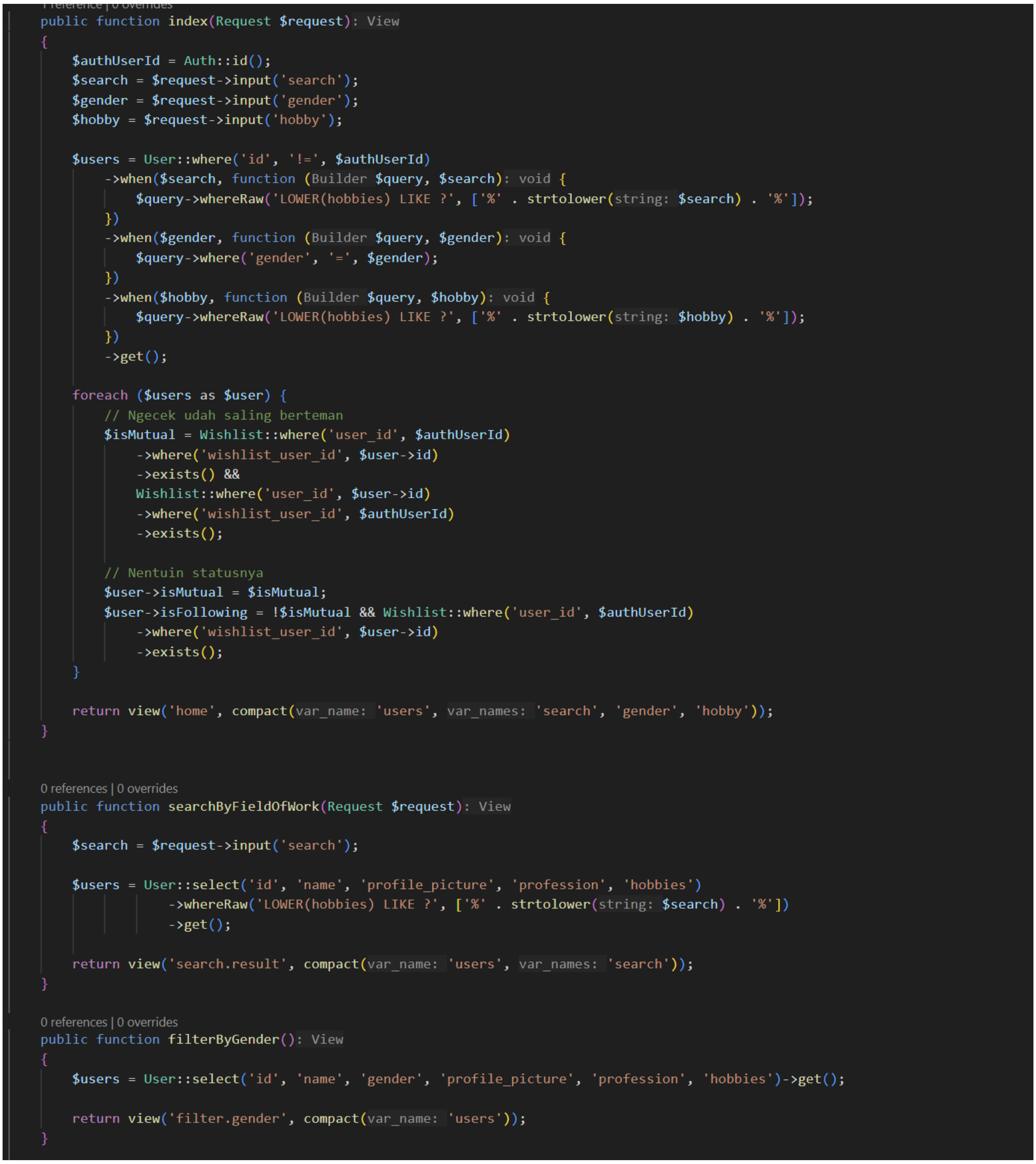
Payment Controller:



```
3 references | 0 implementations
class PaymentController extends Controller
{
    // Menampilkan halaman pembayaran
    1 reference | 0 overrides
    public function index(): View
    {
        return view('payment');
    }


    1 reference | 0 overrides
    public function store(Request $request): mixed|RedirectResponse|View
    {
        $registrationFee = session('registration_fee');

        $request->validate([
            'paid_amount' => 'required|numeric',
        ]);

        $paidAmount = $request->paid_amount;

        if ($paidAmount < $registrationFee) {
            $underpaidAmount = $registrationFee - $paidAmount;
            return redirect()->back()->withErrors(['paid_amount' => 'You are still underpaid by ' . number_format(num: $underpaidAmount, decimals: 2)]);
        } elseif ($paidAmount > $registrationFee) {
            $overpaidAmount = $paidAmount - $registrationFee;

            return view('payment.overpaid', [
                'overpaidAmount' => $overpaidAmount
            ]);
        }

        return redirect()->route('payment.success');
    }


    1 reference | 0 overrides
    public function addToWallet(Request $request): RedirectResponse
    {
        $overpaidAmount = $request->input('overpaid_amount');

        if ($request->has('add_to_wallet') && $request->add_to_wallet === 'yes') {
            // Konversi overpaidAmount ke koin dan tambahkan ke wallet
            $user = Auth::user();
            $coinAmount = $overpaidAmount * 100; // Pemisalan 1 uang = 100 koin
            $user->wallet_balance += $coinAmount;
            $user->save();

            return redirect()->route('payment.success')->with('message', 'Payment successful! Your overpayment has been added to your wallet as ' . $coinAmount . ' coins.');
        }

        return redirect()->route('payment.index')->withErrors(['paid_amount' => 'You overpaid by ' . number_format(num: $overpaidAmount, decimals: 2) . '. Please enter the correct amount.']);
    }

    1 reference | 0 overrides
    public function success(): View
    {
        return view('payment.success');
    }
}
```

Controller ini berfungsi untuk agar pembayaran pada register dapat dilakukan dan untuk perhitungan overpaid maupun underpaid

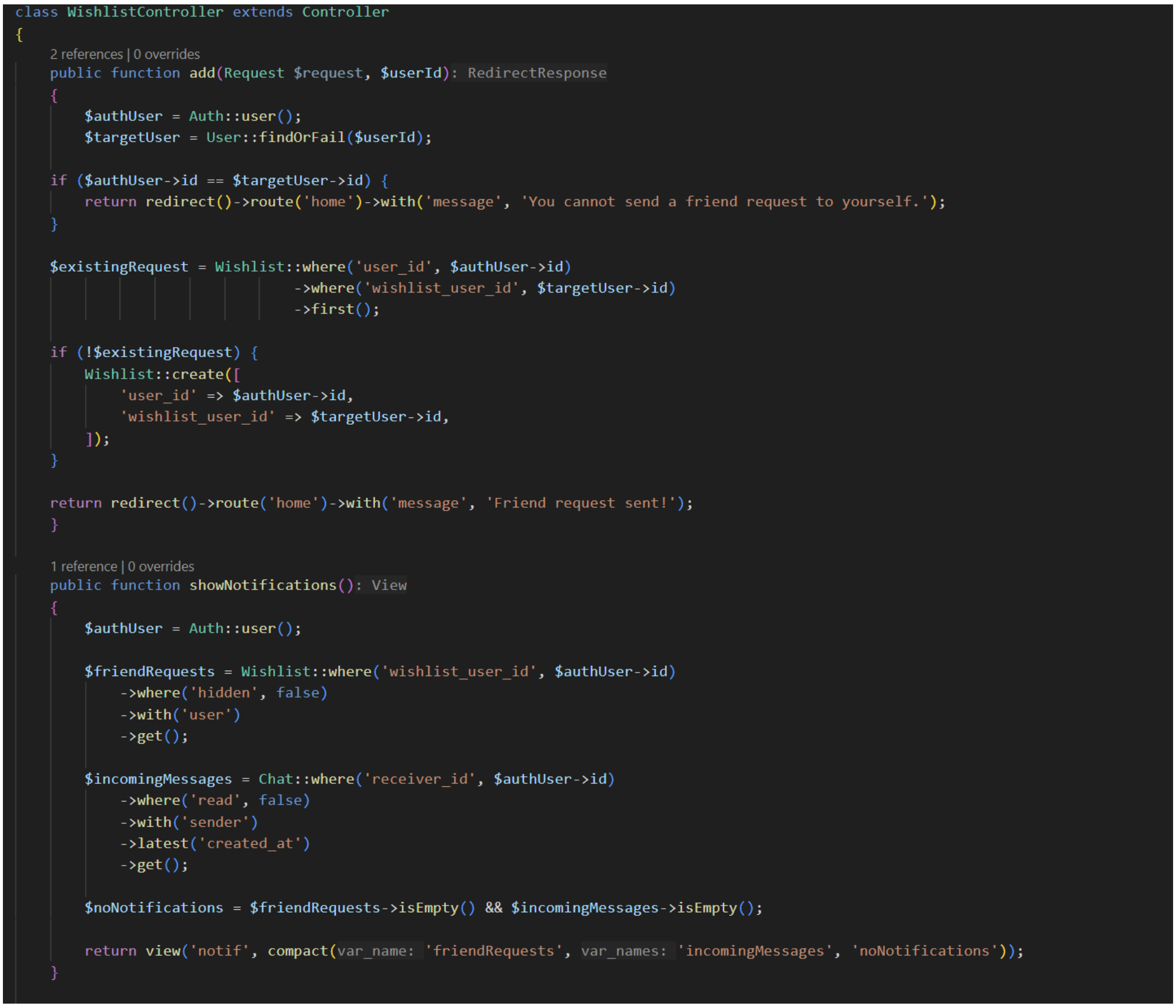
Home Controller:



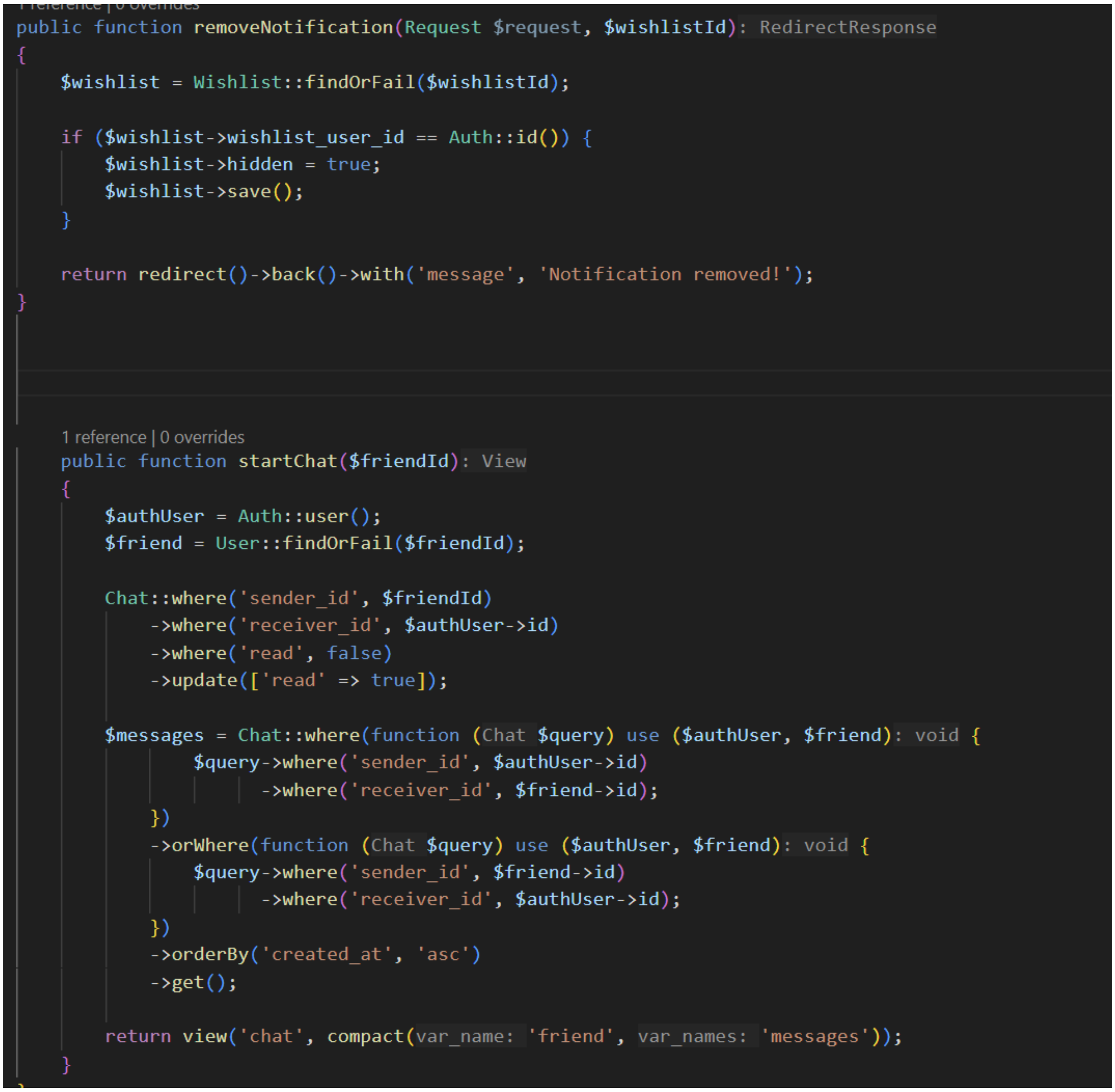
```
1 reference | 0 overrides
public function index(Request $request): View
{
    $authUserId = Auth::id();
    $search = $request->input('search');
    $gender = $request->input('gender');
    $hobby = $request->input('hobby');

    $users = User::where('id', '!=', $authUserId)
        ->when($search, function (Builder $query, $search): void {
            $query->whereRaw('LOWER(hobbies) LIKE ?', ['%' . strtolower(string: $search) . '%']);
        })
        ->when($gender, function (Builder $query, $gender): void {
            $query->where('gender', '=', $gender);
        })
        ->when($hobby, function (Builder $query, $hobby): void {
            $query->whereRaw('LOWER(hobbies) LIKE ?', ['%' . strtolower(string: $hobby) . '%']);
        })
        ->get();

    foreach ($users as $user) {
        // Ngecek udah saling berteman
        $isMutual = Wishlist::where('user_id', $authUserId)
            ->where('wishlist_user_id', $user->id)
            ->exists() &&
            Wishlist::where('user_id', $user->id)
            ->where('wishlist_user_id', $authUserId)
            ->exists();

        // Nentuin statusnya
        $user->isMutual = $isMutual;
        $user->isFollowing = !$isMutual && Wishlist::where('user_id', $authUserId)
            ->where('wishlist_user_id', $user->id)
            ->exists();
    }

    return view('home', compact(var_name: 'users', var_names: 'search', 'gender', 'hobby'));
}


0 references | 0 overrides
public function searchByFieldOfWork(Request $request): View
{
    $search = $request->input('search');

    $users = User::select('id', 'name', 'profile_picture', 'profession', 'hobbies')
                ->whereRaw('LOWER(hobbies) LIKE ?', ['%' . strtolower(string: $search) . '%'])
                ->get();

    return view('search.result', compact(var_name: 'users', var_names: 'search'));
}

0 references | 0 overrides
public function filterByGender(): View
{
    $users = User::select('id', 'name', 'gender', 'profile_picture', 'profession', 'hobbies')->get();

    return view('filter.gender', compact(var_name: 'users'));
}
```

menangani berbagai fungsi terkait halaman utama aplikasi, termasuk pencarian pengguna berdasarkan hobi, gender, atau bidang pekerjaan, serta filtering data untuk menampilkan hasil tertentu.

Wishlist Controller:



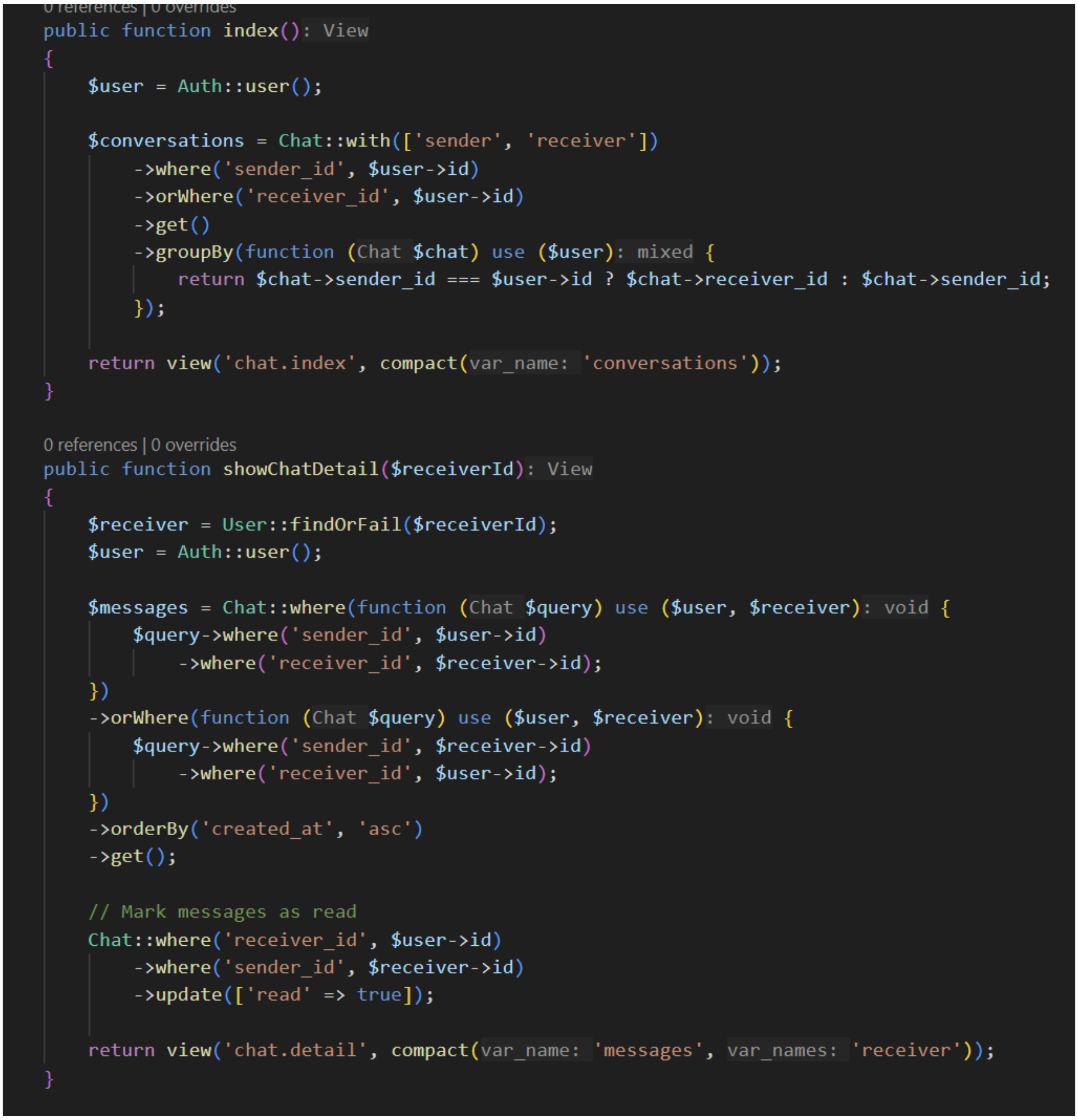
```
class WishlistController extends Controller
{
    2 references | 0 overrides
    public function add(Request $request, $userId): RedirectResponse
    {
        $authUser = Auth::user();
        $targetUser = User::findOrFail($userId);

    if ($authUser->id == $targetUser->id) {
        return redirect()->route('home')->with('message', 'You cannot send a friend request to yourself.');
    }

    $existingRequest = Wishlist::where('user_id', $authUser->id)
                                ->where('wishlist_user_id', $targetUser->id)
                                ->first();

    if (!$existingRequest) {
        Wishlist::create([
            'user_id' => $authUser->id,
            'wishlist_user_id' => $targetUser->id,
        ]);
    }

    return redirect()->route('home')->with('message', 'Friend request sent!');
    }

    1 reference | 0 overrides
    public function showNotifications(): View
    {
        $authUser = Auth::user();

        $friendRequests = Wishlist::where('wishlist_user_id', $authUser->id)
            ->where('hidden', false)
            ->with('user')
            ->get();

        $incomingMessages = Chat::where('receiver_id', $authUser->id)
            ->where('read', false)
            ->with('sender')
            ->latest('created_at')
            ->get();

        $noNotifications = $friendRequests->isEmpty() && $incomingMessages->isEmpty();

        return view('notif', compact(var_name: 'friendRequests', var_names: 'incomingMessages', 'noNotifications'));
    }
```



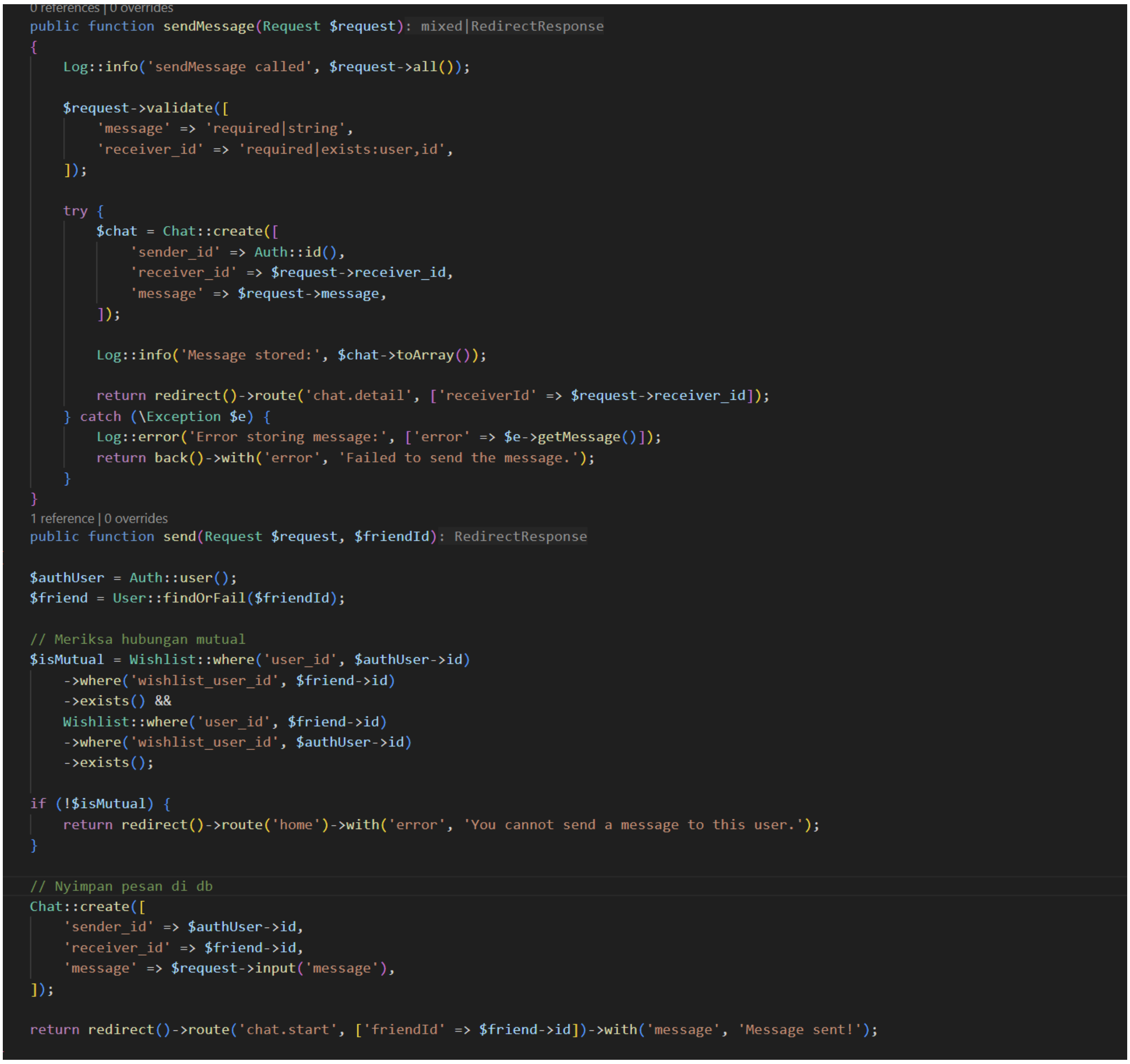
```
1 reference | 0 overrides
public function removeNotification(Request $request, $wishlistId): RedirectResponse
{
    $wishlist = Wishlist::findOrFail($wishlistId);

    if ($wishlist->wishlist_user_id == Auth::id()) {
        $wishlist->hidden = true;
        $wishlist->save();
    }

    return redirect()->back()->with('message', 'Notification removed!');
}



    1 reference | 0 overrides
    public function startChat($friendId): View
    {
        $authUser = Auth::user();
        $friend = User::findOrFail($friendId);

        Chat::where('sender_id', $friendId)
            ->where('receiver_id', $authUser->id)
            ->where('read', false)
            ->update(['read' => true]);

        $messages = Chat::where(function (Chat $query) use ($authUser, $friend): void {
                $query->where('sender_id', $authUser->id)
                      ->where('receiver_id', $friend->id);
            })
            ->orWhere(function (Chat $query) use ($authUser, $friend): void {
                $query->where('sender_id', $friend->id)
                      ->where('receiver_id', $authUser->id);
            })
            ->orderBy('created_at', 'asc')
            ->get();

        return view('chat', compact(var_name: 'friend', var_names: 'messages'));
    }
```

Controller ini memungkinkan user untuk menambahkan teman ke wishlist mereka, mengelola notifikasi terkait permintaan pertemanan atau pesan, serta memulai percakapan dengan pengguna lain.

Chat Controller:



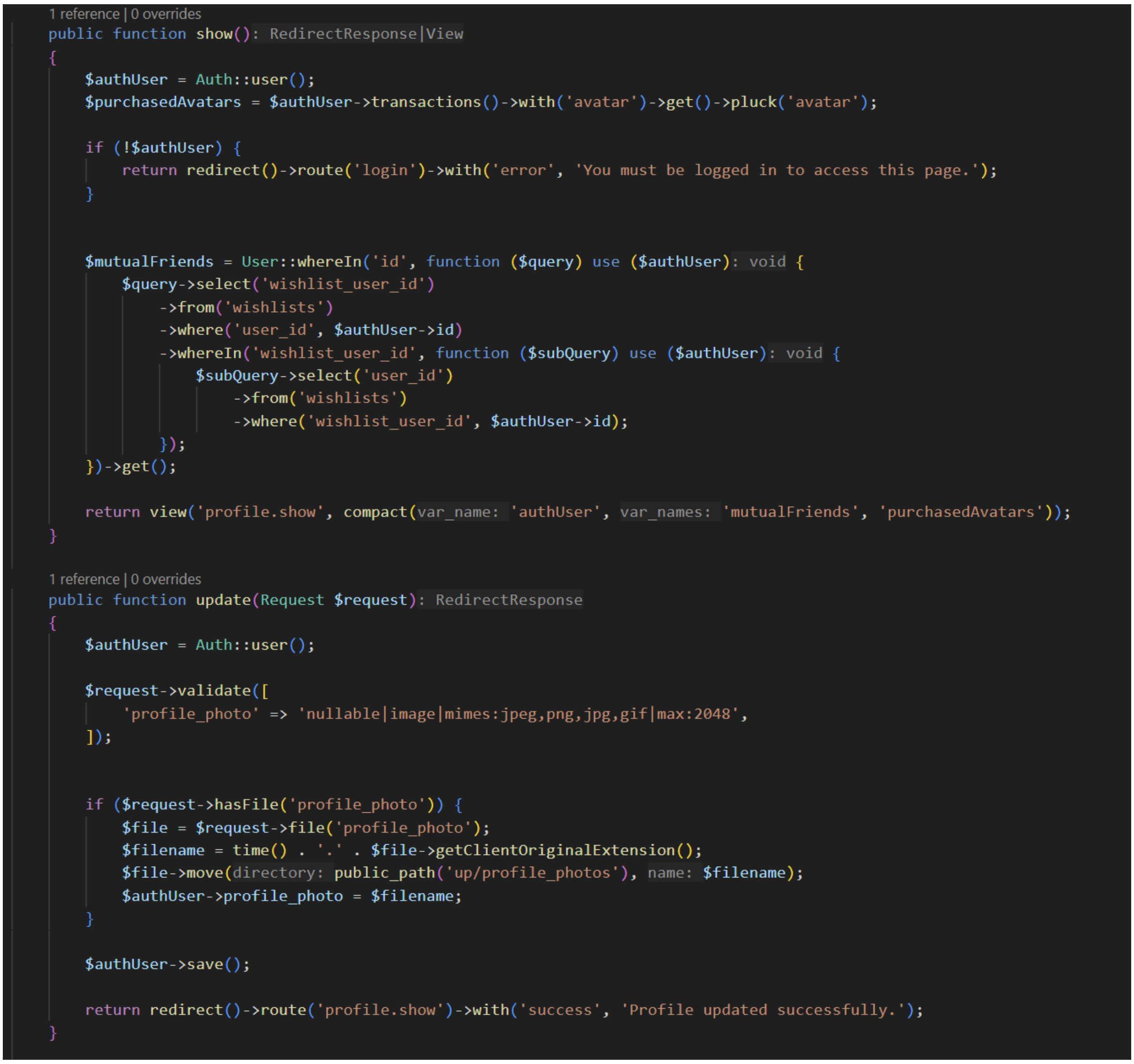
```php
0 references | 0 overrides
public function index(): View
{
    $user = Auth::user();

    $conversations = Chat::with(['sender', 'receiver'])
        ->where('sender_id', $user->id)
        ->orWhere('receiver_id', $user->id)
        ->get()
        ->groupBy(function (Chat $chat) use ($user): mixed {
            return $chat->sender_id === $user->id ? $chat->receiver_id : $chat->sender_id;
        });

    return view('chat.index', compact(var_name: 'conversations'));
}

0 references | 0 overrides
public function showChatDetail($receiverId): View
{
    $receiver = User::findOrFail($receiverId);
    $user = Auth::user();

    $messages = Chat::where(function (Chat $query) use ($user, $receiver): void {
        $query->where('sender_id', $user->id)
            ->where('receiver_id', $receiver->id);
    })
    ->orWhere(function (Chat $query) use ($user, $receiver): void {
        $query->where('sender_id', $receiver->id)
            ->where('receiver_id', $user->id);
    })
    ->orderBy('created_at', 'asc')
    ->get();

    // Mark messages as read
    Chat::where('receiver_id', $user->id)
        ->where('sender_id', $receiver->id)
        ->update(['read' => true]);

    return view('chat.detail', compact(var_name: 'messages', var_names: 'receiver'));
}
```



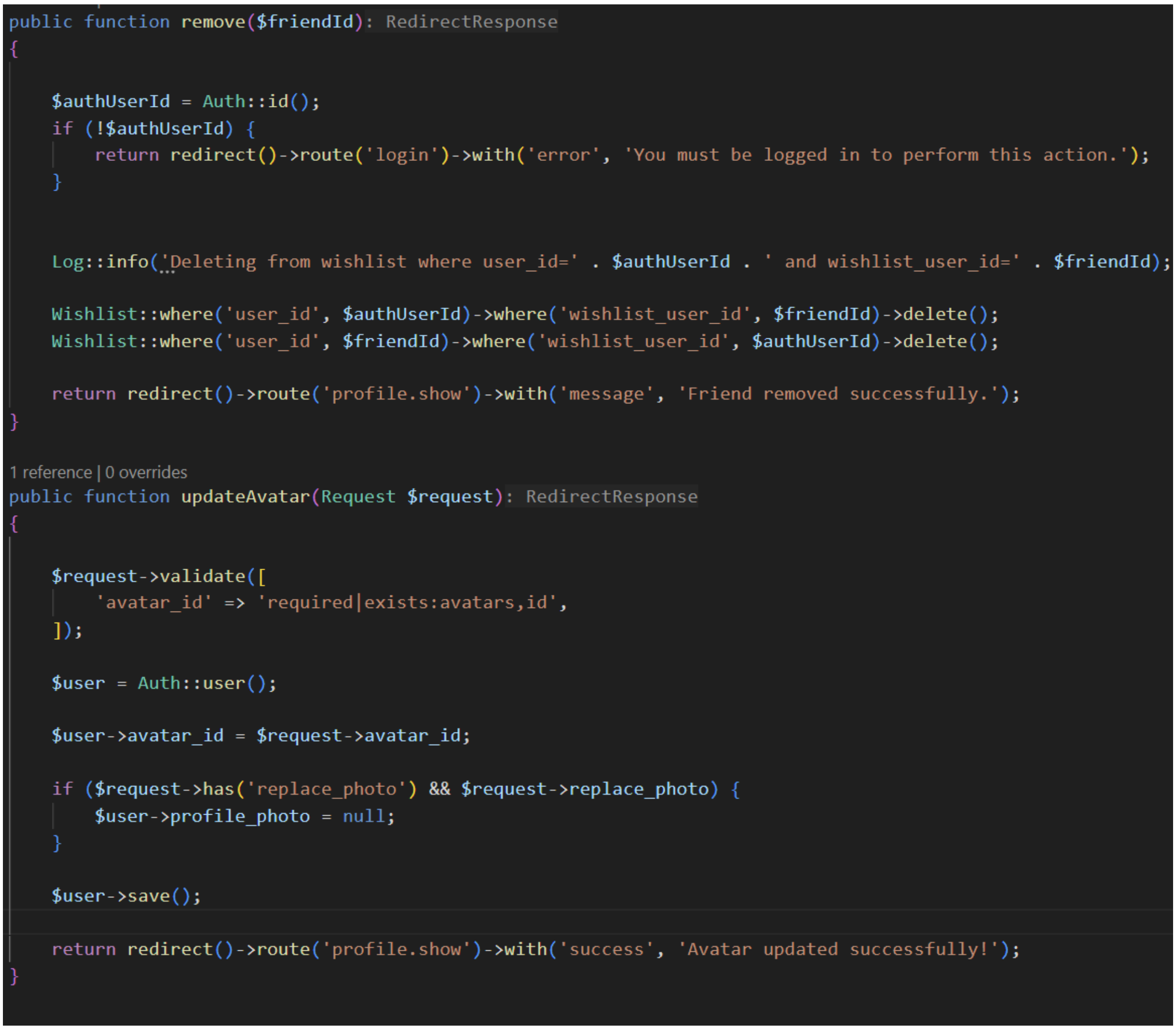
```
0 references | 0 overrides
public function sendMessage(Request $request): mixed|RedirectResponse
{
    Log::info('sendMessage called', $request->all());

    $request->validate([
        'message' => 'required|string',
        'receiver_id' => 'required|exists:user,id',
    ]);

    try {
        $chat = Chat::create([
            'sender_id' => Auth::id(),
            'receiver_id' => $request->receiver_id,
            'message' => $request->message,
        ]);

        Log::info('Message stored:', $chat->toArray());

        return redirect()->route('chat.detail', ['receiverId' => $request->receiver_id]);
    } catch (\Exception $e) {
        Log::error('Error storing message:', ['error' => $e->getMessage()]);
        return back()->with('error', 'Failed to send the message.');
    }
}
1 reference | 0 overrides
public function send(Request $request, $friendId): RedirectResponse

$authUser = Auth::user();
$friend = User::findOrFail($friendId);

// Meriksa hubungan mutual
$isMutual = Wishlist::where('user_id', $authUser->id)
    ->where('wishlist_user_id', $friend->id)
    ->exists() &&
    Wishlist::where('user_id', $friend->id)
    ->where('wishlist_user_id', $authUser->id)
    ->exists();

if (!$isMutual) {
    return redirect()->route('home')->with('error', 'You cannot send a message to this user.');
}

// Nyimpan pesan di db
Chat::create([
    'sender_id' => $authUser->id,
    'receiver_id' => $friend->id,
    'message' => $request->input('message'),
]);

return redirect()->route('chat.start', ['friendId' => $friend->id])->with('message', 'Message sent!');
```

Controller ini memungkinkan pengguna untuk melihat daftar percakapan mereka yang sudah dilakukan oleh user dan temmannya, melihat detail pesan dengan pengguna tertentu, serta mengirim pesan.

Profile Controller:



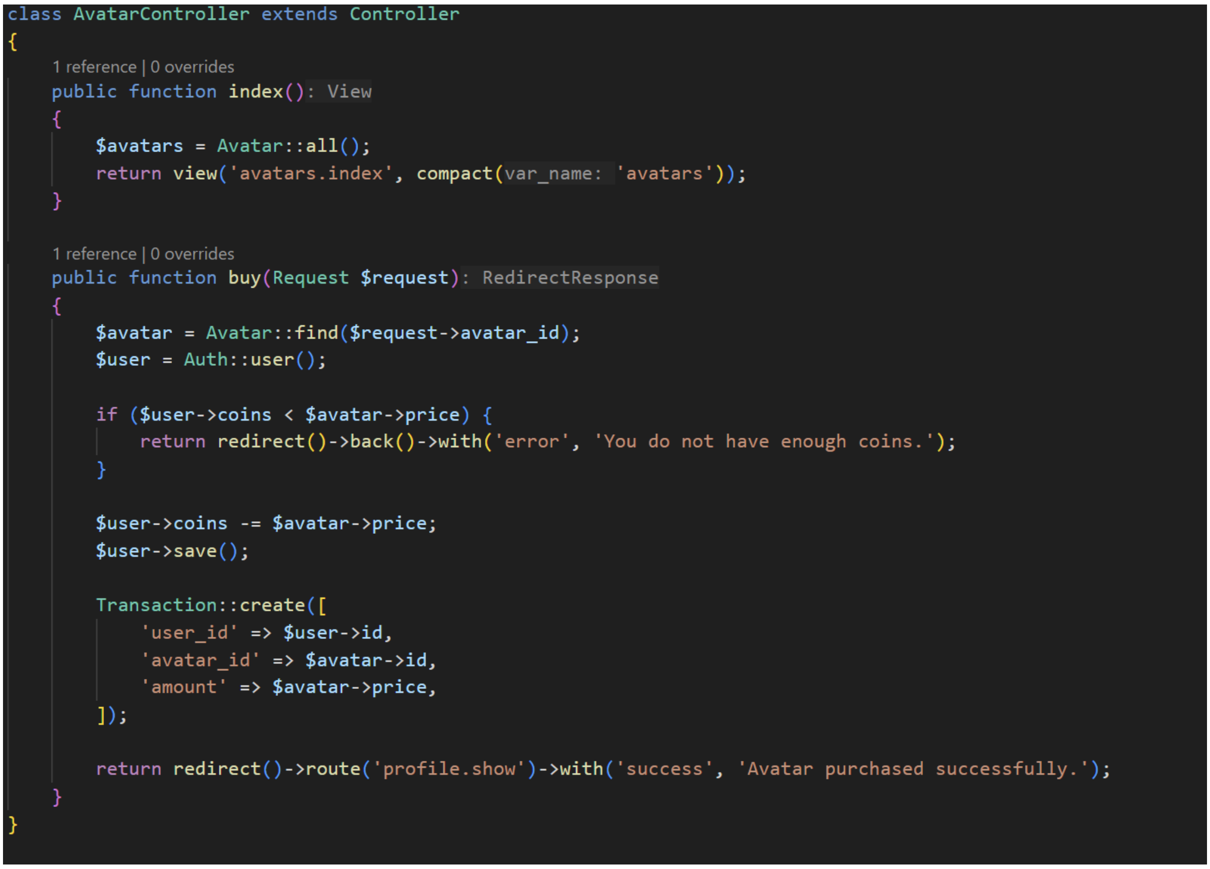
```
1 reference | 0 overrides
public function show(): RedirectResponse|View
{
    $authUser = Auth::user();
    $purchasedAvatars = $authUser->transactions()->with('avatar')->get()->pluck('avatar');

    if (!$authUser) {
        return redirect()->route('login')->with('error', 'You must be logged in to access this page.');
    }


    $mutualFriends = User::whereIn('id', function ($query) use ($authUser): void {
        $query->select('wishlist_user_id')
            ->from('wishlists')
            ->where('user_id', $authUser->id)
            ->whereIn('wishlist_user_id', function ($subQuery) use ($authUser): void {
                $subQuery->select('user_id')
                    ->from('wishlists')
                    ->where('wishlist_user_id', $authUser->id);
            });
    })->get();

    return view('profile.show', compact(var_name: 'authUser', var_names: 'mutualFriends', 'purchasedAvatars'));
}

1 reference | 0 overrides
public function update(Request $request): RedirectResponse
{
    $authUser = Auth::user();

    $request->validate([
        'profile_photo' => 'nullable|image|mimes:jpeg,png,jpg,gif|max:2048',
    ]);


    if ($request->hasFile('profile_photo')) {
        $file = $request->file('profile_photo');
        $filename = time() . '.' . $file->getClientOriginalExtension();
        $file->move(directory: public_path('up/profile_photos'), name: $filename);
        $authUser->profile_photo = $filename;
    }

    $authUser->save();

    return redirect()->route('profile.show')->with('success', 'Profile updated successfully.');
}
```



```
public function remove($friendId): RedirectResponse
{

    $authUserId = Auth::id();
    if (!$authUserId) {
        return redirect()->route('login')->with('error', 'You must be logged in to perform this action.');
    }


    Log::info('Deleting from wishlist where user_id=' . $authUserId . ' and wishlist_user_id=' . $friendId);

    Wishlist::where('user_id', $authUserId)->where('wishlist_user_id', $friendId)->delete();
    Wishlist::where('user_id', $friendId)->where('wishlist_user_id', $authUserId)->delete();

    return redirect()->route('profile.show')->with('message', 'Friend removed successfully.');
}

1 reference | 0 overrides
public function updateAvatar(Request $request): RedirectResponse
{

    $request->validate([
        'avatar_id' => 'required|exists:avatars,id',
    ]);

    $user = Auth::user();

    $user->avatar_id = $request->avatar_id;

    if ($request->has('replace_photo') && $request->replace_photo) {
        $user->profile_photo = null;
    }

    $user->save();

    return redirect()->route('profile.show')->with('success', 'Avatar updated successfully!');
}
```

Controller ini memungkinkan pengguna untuk melihat detail dari profil mereka, memperbarui informasi seperti foto profil atau avatar, serta mengelola hubungan pertemanan seperti menghapus ataupun melakuakn chat.

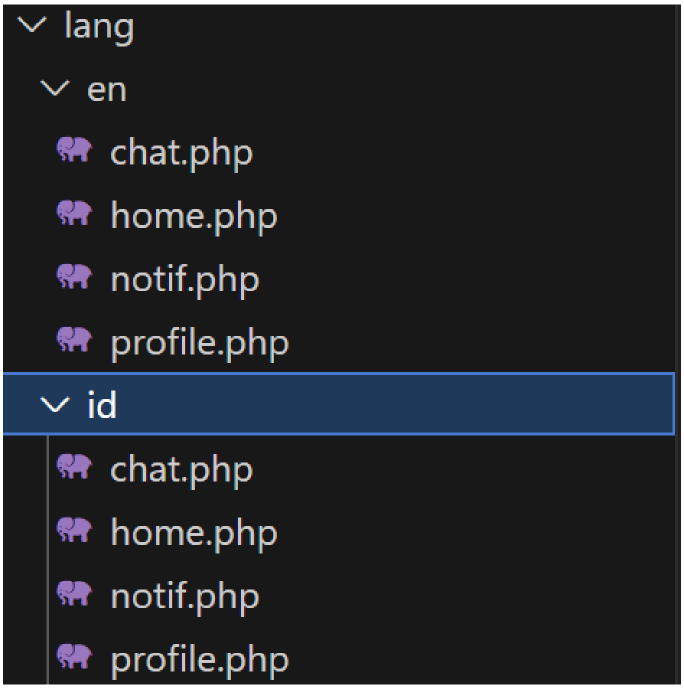
Avatar Controller:



```
class AvatarController extends Controller
{
    1 reference | 0 overrides
    public function index(): View
    {
        $avatars = Avatar::all();
        return view('avatars.index', compact(var_name: 'avatars'));
    }

    1 reference | 0 overrides
    public function buy(Request $request): RedirectResponse
    {
        $avatar = Avatar::find($request->avatar_id);
        $user = Auth::user();

        if ($user->coins < $avatar->price) {
            return redirect()->back()->with('error', 'You do not have enough coins.');
        }

        $user->coins -= $avatar->price;
        $user->save();

        Transaction::create([
            'user_id' => $user->id,
            'avatar_id' => $avatar->id,
            'amount' => $avatar->price,
        ]);

        return redirect()->route('profile.show')->with('success', 'Avatar purchased successfully.');
    }
}
```

digunakan untuk mengelola fitur avatar dalam aplikasi, termasuk melihat daftar avatar yang tersedia dan membeli avatar baru.

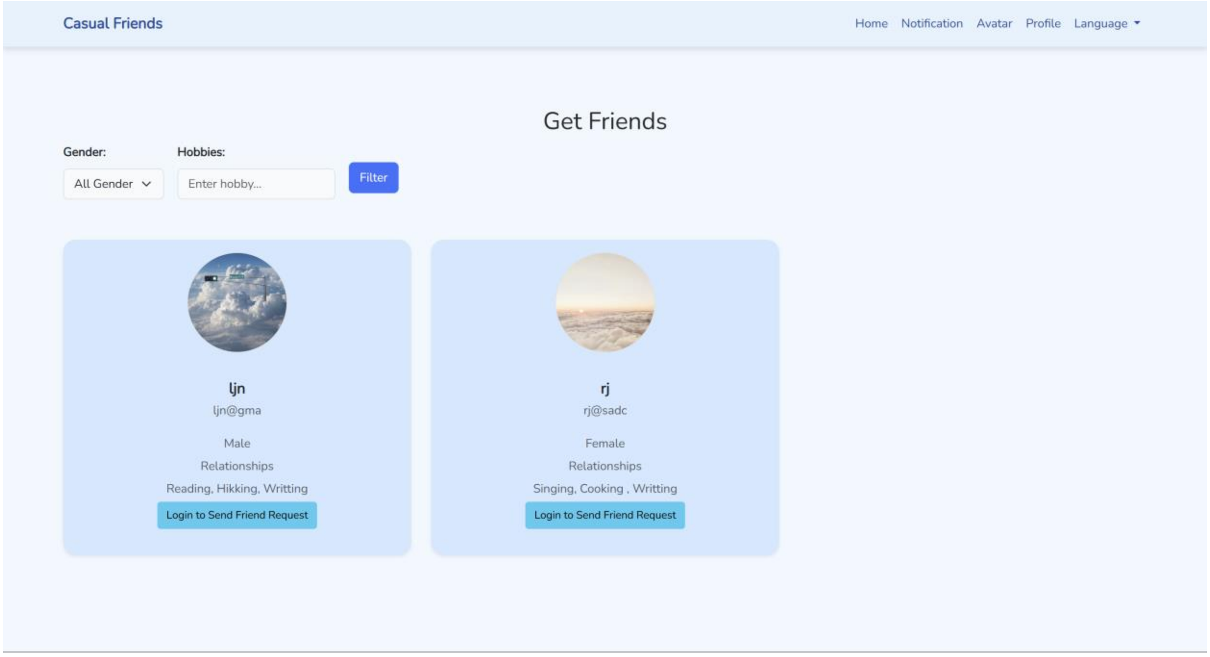
Localization



```
lang
  en
    chat.php
    home.php
    notif.php
    profile.php
  id
    chat.php
    home.php
    notif.php
    profile.php
```

View

User Authentication



Get Friends

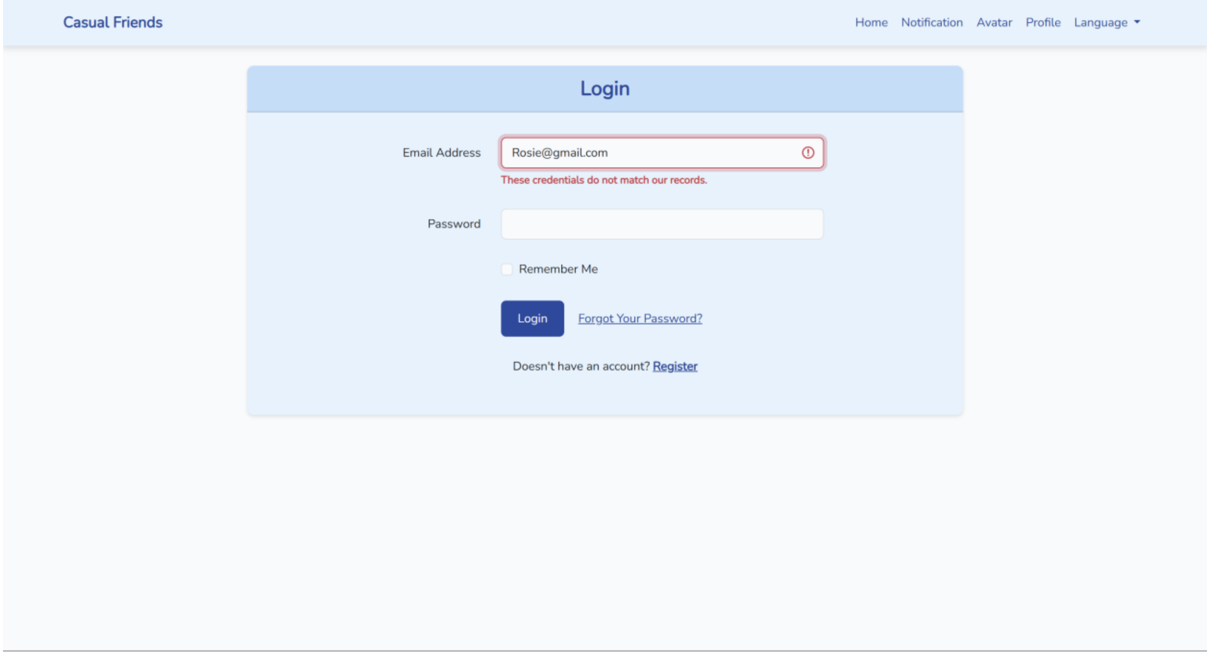
Gender: All Gender

Hobbies: Enter hobby...

ljn
ljn@gma
Male
Relationships
Reading, Hikking, Writting

rj
rj@sadc
Female
Relationships
Singing, Cooking , Writting

Home page akan terlihat begini jika belum login, semua option pada navbar tidak bisa diakses jika belum login. User tidak bisa mengirimkan request teman jika belum login.



Login

Email Address: Rosie@gmail.com

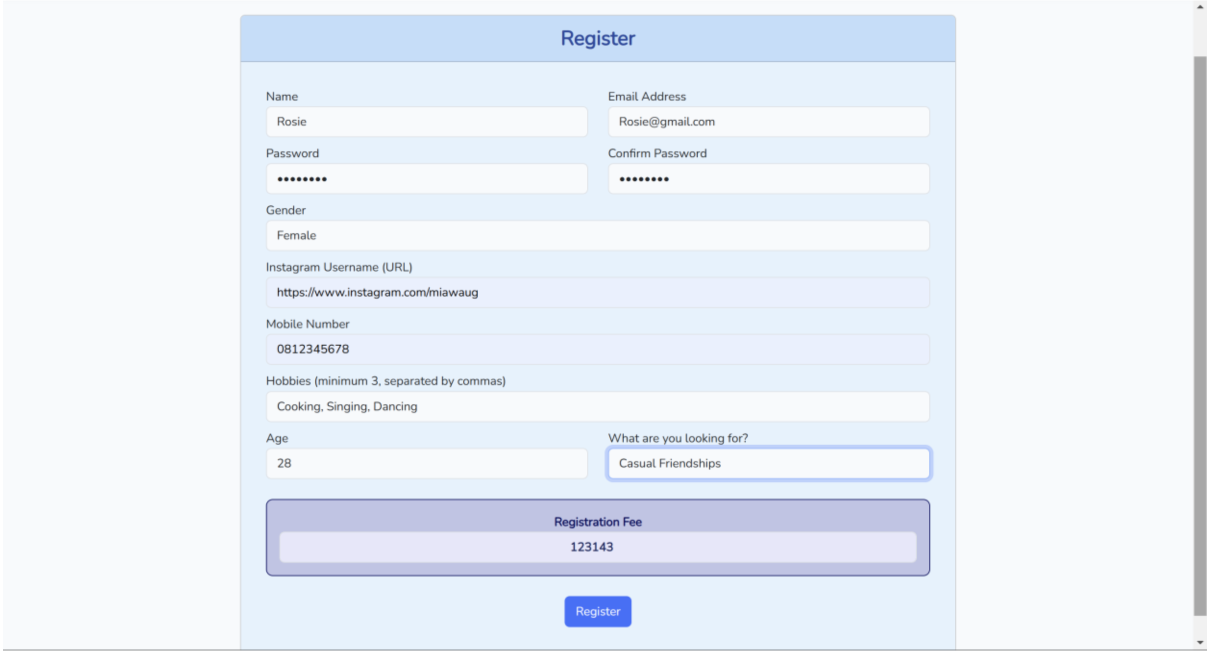
These credentials do not match our records.

Password:

□ Remember Me

Doesn't have an account? Register

Setelah diarahkan ke halaman login, user dapat login terlebih dahulu. Jika belum punya akun maka bisa menekan text register dibawah itu.



Register

Name: Rosie

Email Address: Rosie@gmail.com

Password: ••••••••

Confirm Password: ••••••••

Gender: Female

Instagram Username (URL): https://www.instagram.com/miawaug

Mobile Number: 0812345678

Hobbies (minimum 3, separated by commas): Cooking, Singing, Dancing

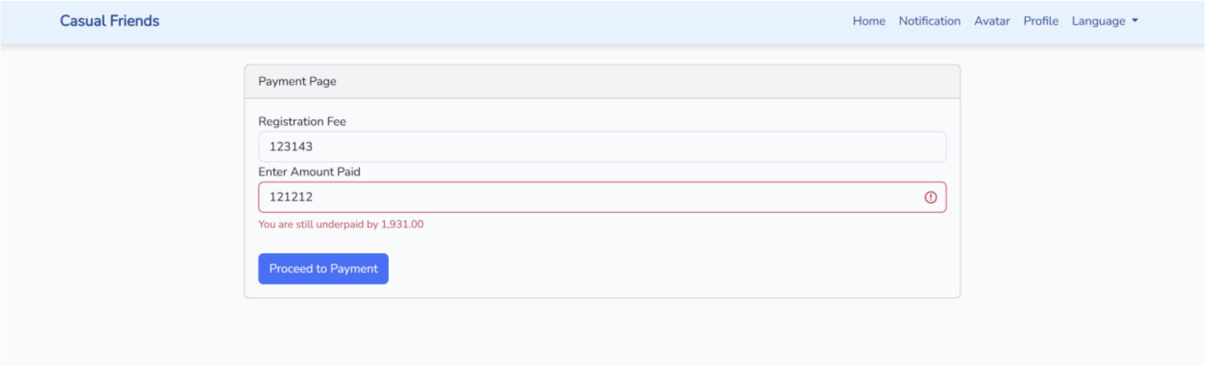
Age: 28

What are you looking for?: Casual Friendships

Registration Fee: 123143

Selanjutnya akan diarahkan ke halam register. User harus memasukan data sesuai ketentuan. Setelahnya maka akan diarahkan ke halaman pembayaran untuk register

Payment



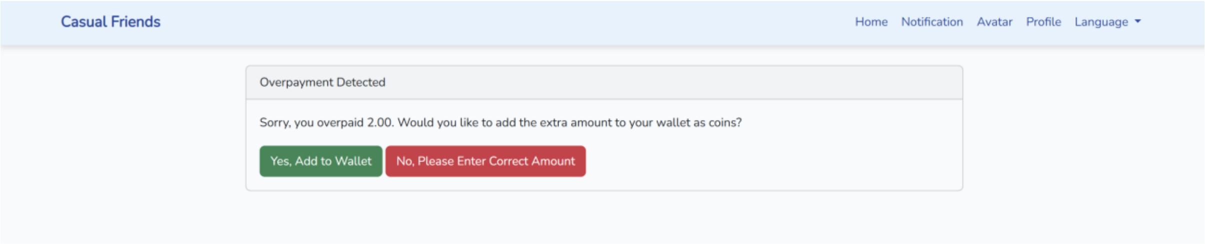
Payment Page

Registration Fee: 123143

Enter Amount Paid: 121212

You are still underpaid by 1,931.00

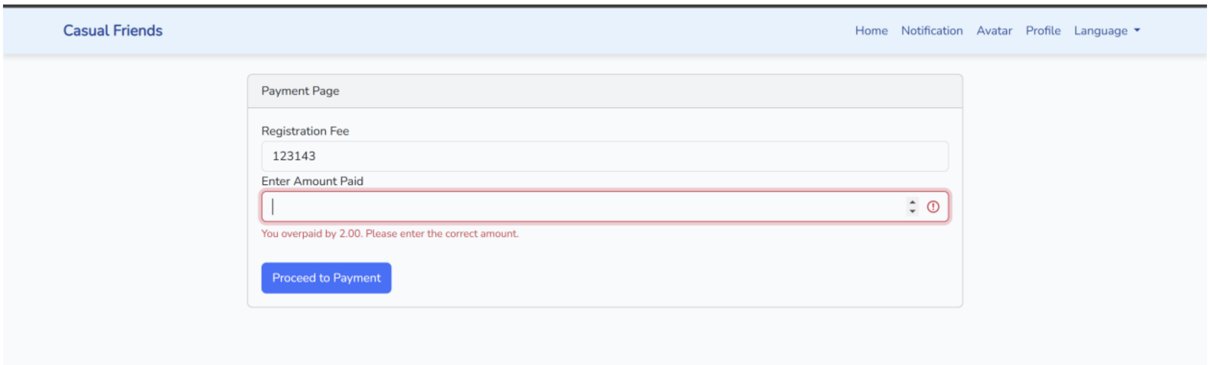
Jika kurang maka akan disebutkan underpaid



Overpayment Detected

Sorry, you overpaid 2.00. Would you like to add the extra amount to your wallet as coins?

Jika berlebih maka akan dintanya apakah mau untuk di masukan ke e wallet atau masukan jumlah sesuai, jika no ma akan Kembali inut biaya nya dan akan di informasikan seperti dibawah ini



Payment Page

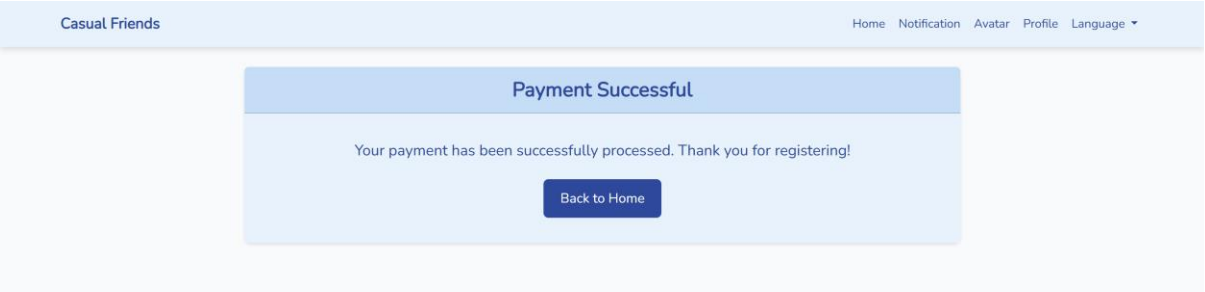
Registration Fee

123143

Enter Amount Paid

You overpaid by 2.00. Please enter the correct amount.

Namun jika memilih yes, maka akan lebihnya akan masuk kedalam e wallet

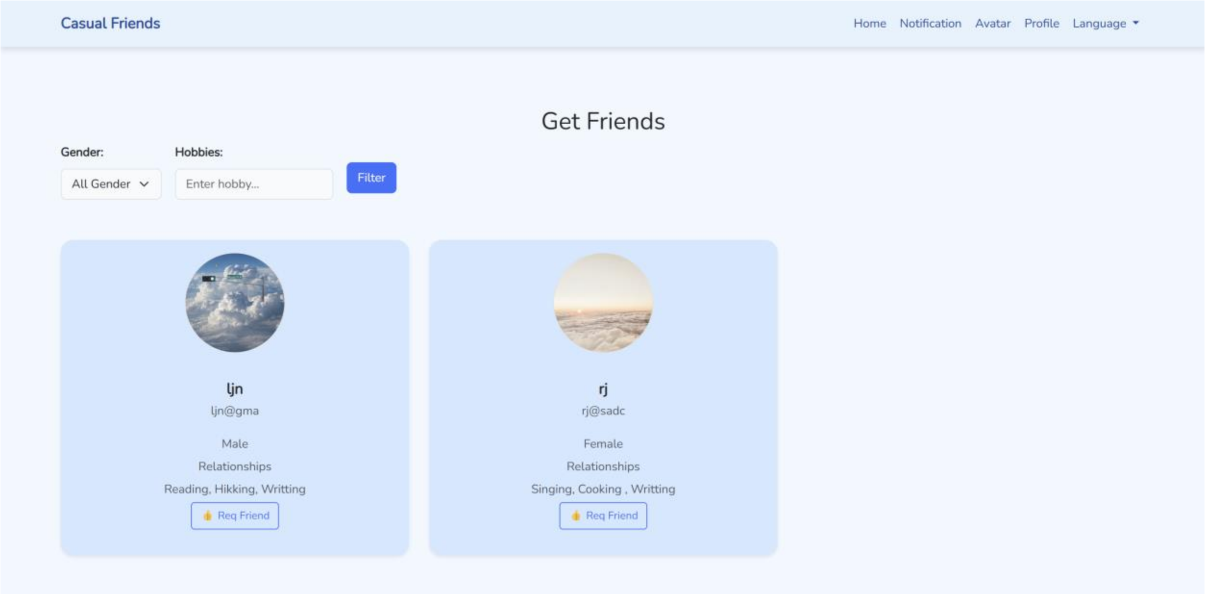


Payment Successful

Your payment has been successfully processed. Thank you for registering!

Halaman ini akan muncul keteki pembayaran sudah berhasil. Dapat muncul dari persetujuan biaya berlebih yang akan masuk ke e wallet ataupun pembayaran yang pas.

Fitur Request Friends



Get Friends

Gender: All Gender

Hobbies: Enter hobby...

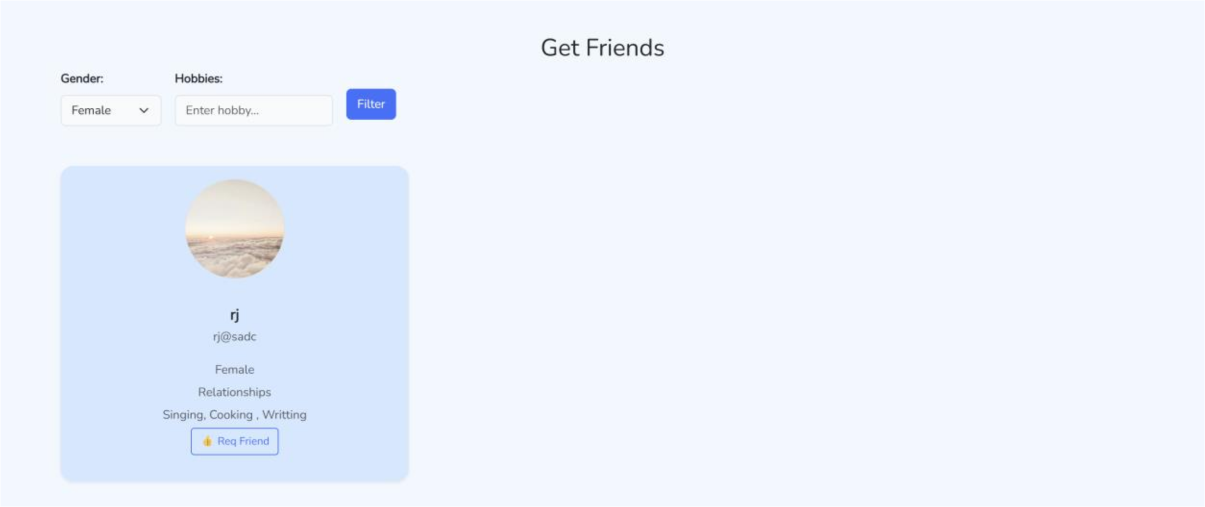
ljn
ljn@gma
Male
Relationships
Reading, Hikking, Writting

rj
rj@sadc
Female
Relationships
Singing, Cooking , Writting

Setelah login maka fitur pada homepage sudah bisa di akses, kita dapat mengirim permintaan teman.

Filter/Searching

Filter Gender

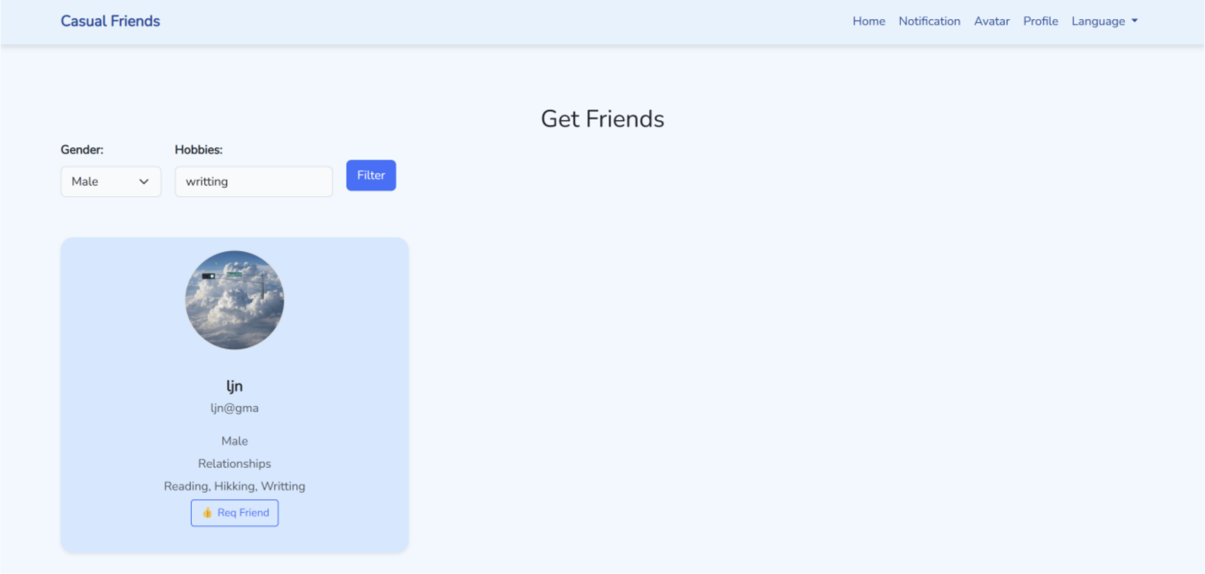

Get Friends

Gender: Female

Hobbies: Enter hobby...

rj
rj@sadc
Female
Relationships
Singing, Cooking , Writting

Searching ‘writing’ dengan gender ‘Male’

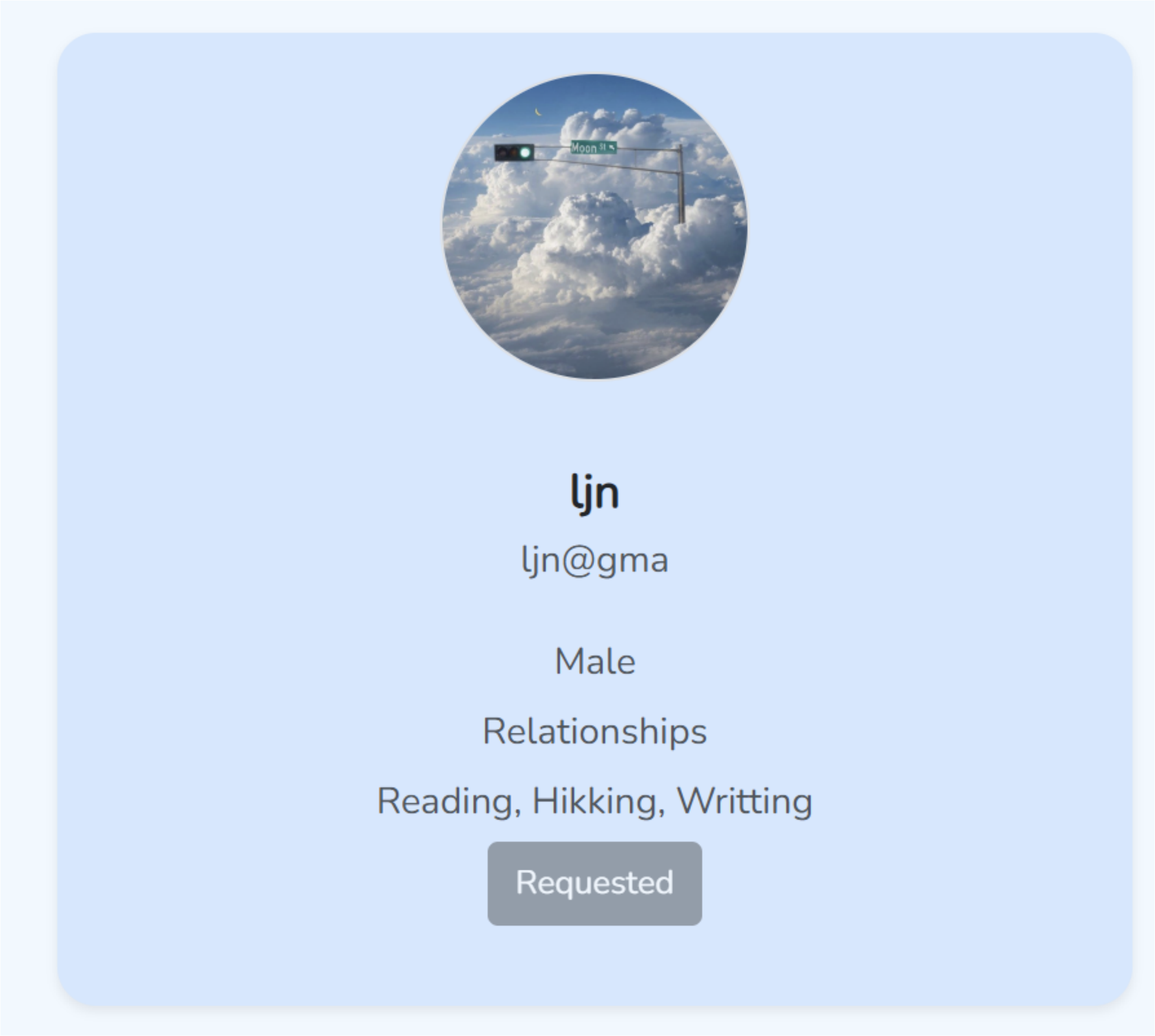


Get Friends

Gender: Male

Hobbies: writting

ljn
ljn@gma
Male
Relationships
Reading, Hikking, Writting



ljn

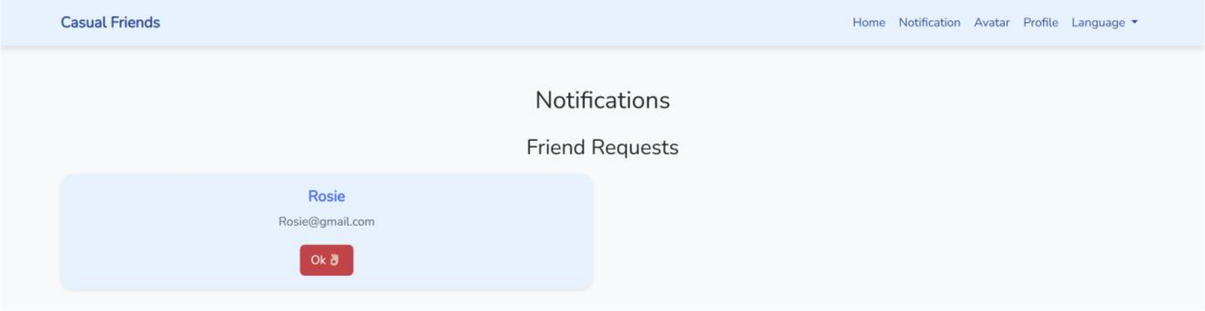
ljn@gma

Male

Relationships

Reading, Hikking, Writting

Status akan berubah menjadi requested Ketika friends request dikirimkan. Dan pada akun penerima aka nada notifikasi request friends



Notifications

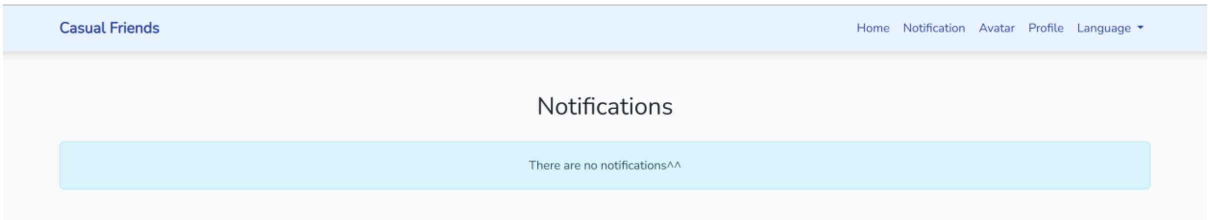
Friend Requests

Rosie

Rosie@gmail.com

Namun ini hanya notifikasi, setelah menekan ‘ok’, penerima tetap harus menekan reg friends thumbs up pada home page agar dapat berteman

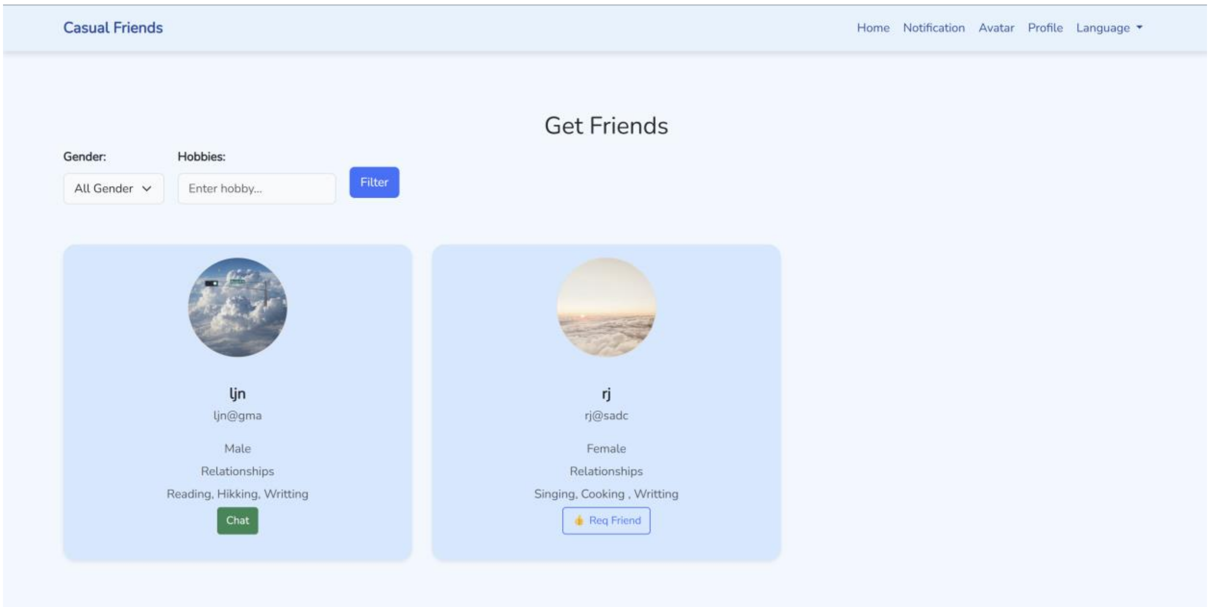
Notification



Notifications

There are no notifications^^

Notifikasi menjadi kosong setelah menekan button ok penerima juga menekan button thumbs maka sudah berteman dan bisa melakukan chat



Get Friends

Gender: All Gender

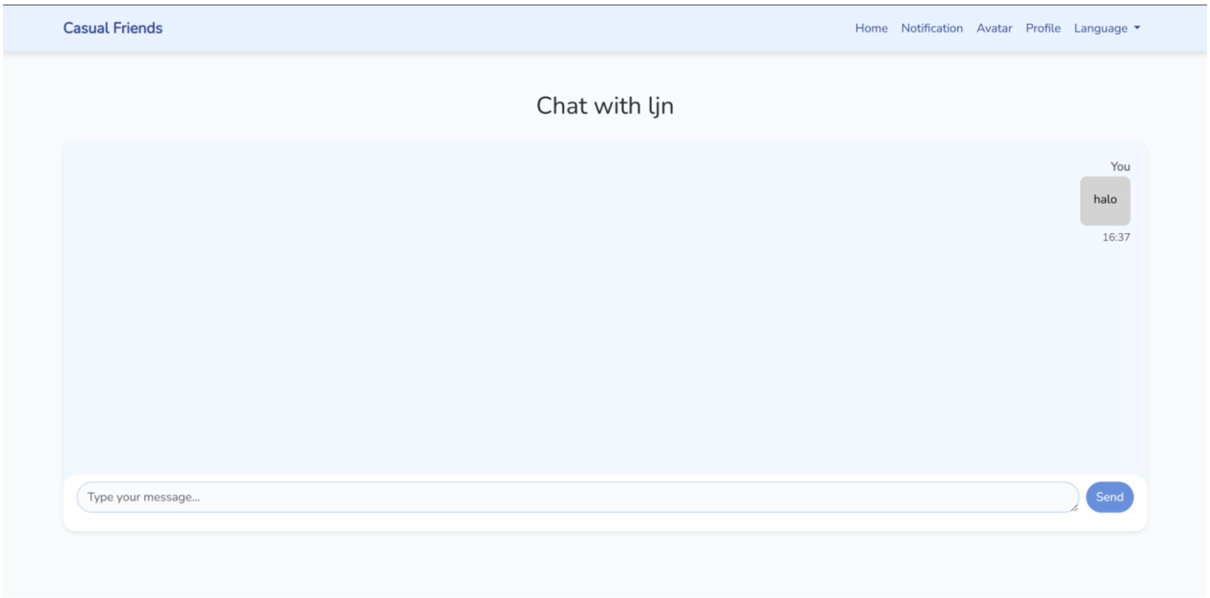
Hobbies: Enter hobby...

ljn
ljn@gma
Male
Relationships
Reading, Hikking, Writting

rj
rj@sadc
Female
Relationships
Singing, Cooking , Writting

memulai chat dan begini jadinya

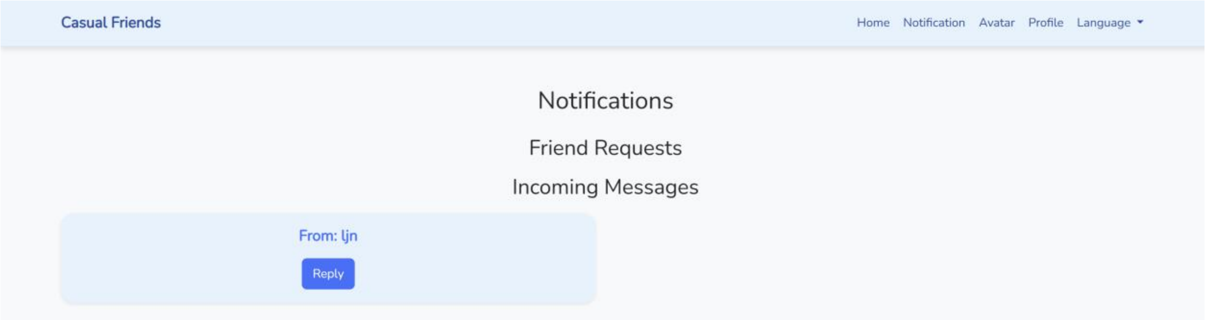
Messaging



Chat with ljn

You
halo
16:37

Type your message...



Notifications

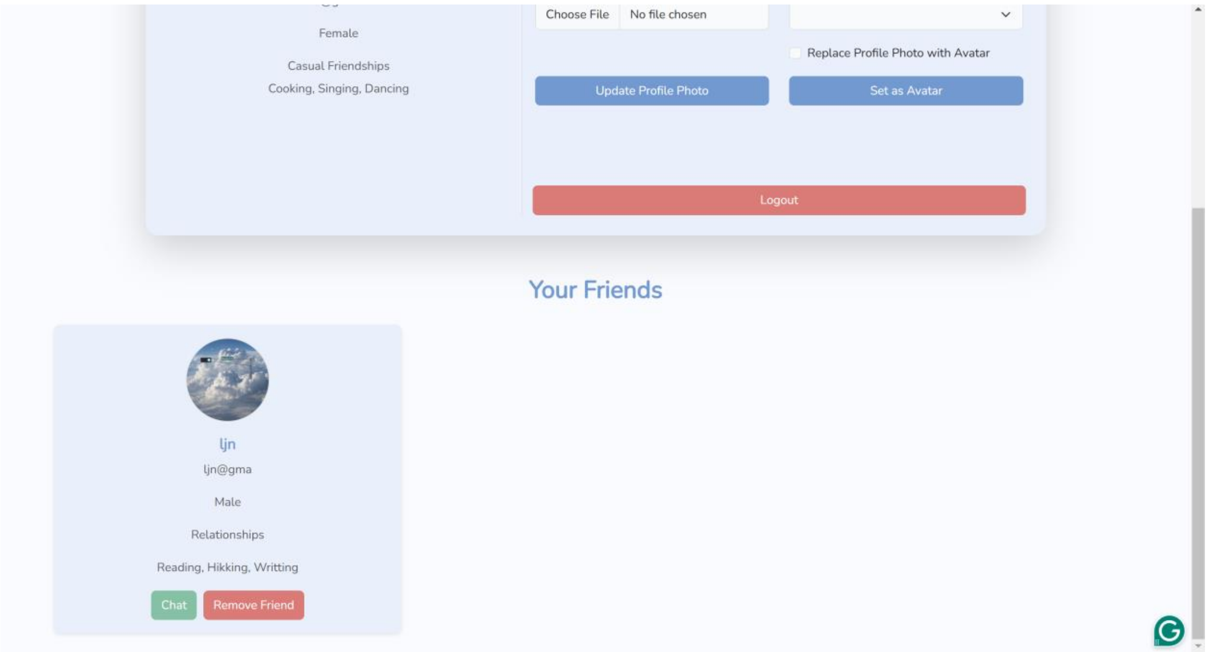
Friend Requests

Incoming Messages

From: ljn

Munculah notifikasi pesan yang mana setelah kita membaca pesannya maka notifikasi akan hilang

Friends


Female

Casual Friendships

Cooking, Singing, Dancing

Your Friends

ljn

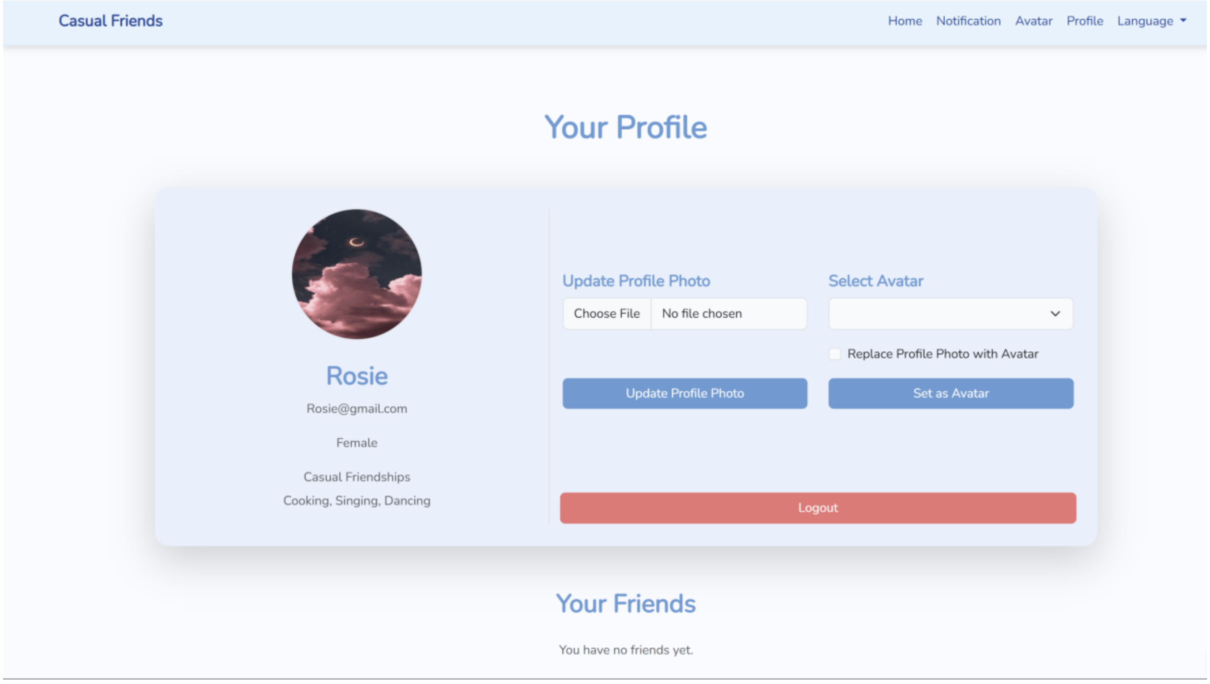
ljn@gma

Male

Relationships

Reading, Hikking, Writting

Muncul sudah nama teman yang berteman dengan kita pada profile page nya, kita dapat menghapus pertemenan juga



Your Profile

Rosie

Rosie@gmail.com

Female

Casual Friendships

Cooking, Singing, Dancing

Update Profile Photo: No file chosen

Select Avatar

□ Replace Profile Photo with Avatar

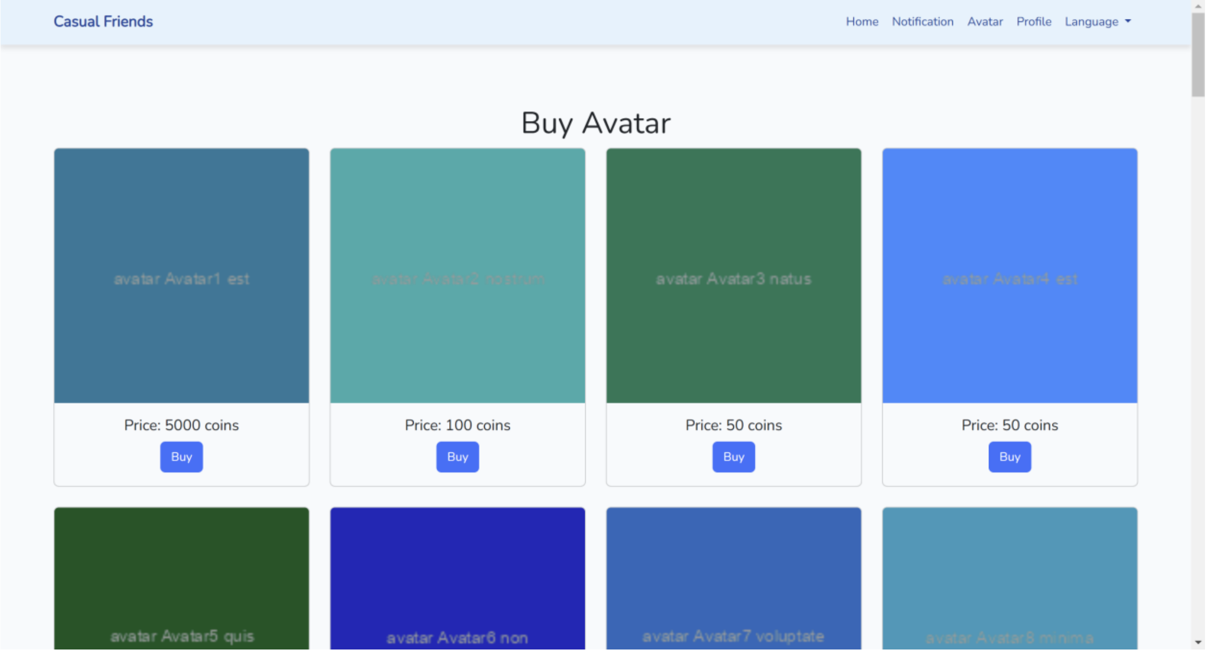
Your Friends

You have no friends yet.

Ketika dihapus maka teman akan hilang. Kita juga dapat mengupdate photo profile

Fitur Tambahan

Membeli Avatar



Buy Avatar

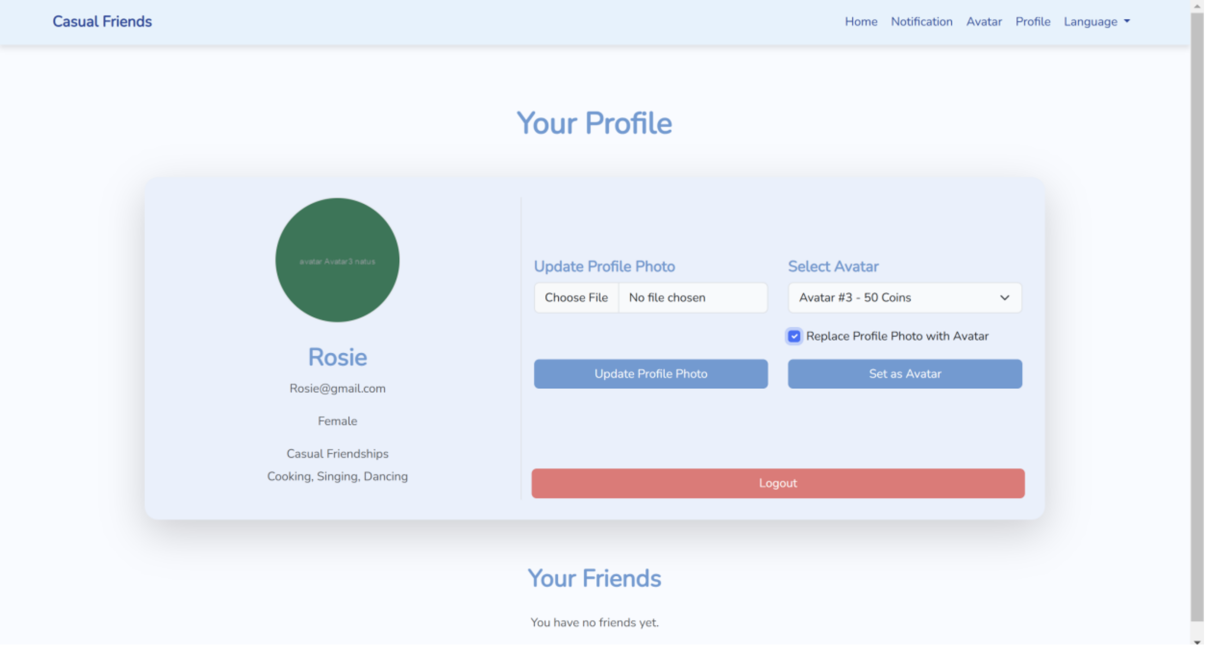
Price: 5000 coins

Price: 100 coins

Price: 50 coins

Price: 50 coins

Terdapat Halaman avatar Dimana merupakan tempat untuk kita membeli avatar dengan coin yang didapatkan saat awal mendaftar, yaitu 100 coin. Setelah membeli kita akan diarahkan ke halaman profile dan dapat menggantikan foto profile dengan avatar yang telah kita beli



Your Profile

Rosie

Rosie@gmail.com

Female

Casual Friendships

Cooking, Singing, Dancing

Update Profile Photo

No file chosen

Select Avatar

Avatar #3 - 50 Coins

☑ Replace Profile Photo with Avatar

Your Friends

You have no friends yet.

Dengan begitu maka foto profile kita menjadi avatar yang kita beli