# ****Lovelink - A Dating App****

## ****Project Documentation****

### ****Project Overview****

Lovelink is a modern dating application designed to connect individuals based on mutual interests and preferences. The app features a step-by-step registration process, allowing users to input their details, upload profile pictures, and complete their profile before accessing the platform.

### ****Technology Stack****

**Frontend:** Kotlin (Jetpack Compose)

**Backend:** Laravel (REST API)

**Database:** MySQL

**Authentication:** Laravel Breeze

### ****Core Features****

1. **User Registration & Authentication**

Users register using their username , email, phone number, and gender.

Password authentication is managed via Laravel Breeze.Validationensures all required fields are correctly filled.

1. **Profile Photo Upload**

Users must upload at least two photos.

Uses Jetpack Compose with rememberLauncherForActivityResult to select images.

Images are displayed using AsyncImage (ensure correct dependency is included).

**User Profile Management**

Users can update their details via the profile screen.

Profile information is stored in a MySQL database through Laravel APIs.

**REST API (Laravel)**

The backend is developed using Laravel, providing endpoints for:

**User Registration & Login**

**Profile Updates**

**Photo Uploads**

**Matching & Messaging**

### ****Project Structure****

#### ****Frontend (Kotlin - Jetpack Compose)****

#### Registrationscreens (Handles user onboarding, including forms and image upload)

#### Viewmodel (Handles user state, form validation, and API calls)Navigation.kt (Manages screen transitions)

#### ****Backend (Laravel)****

**Routes (**api.php**)**

POST /register → Register a new user

POST /login → Authenticate user

PUT /profile/update → Update user details

POST /message/send -> processes send message logic

PUT /setting ->handles profile settings

**Controllers**

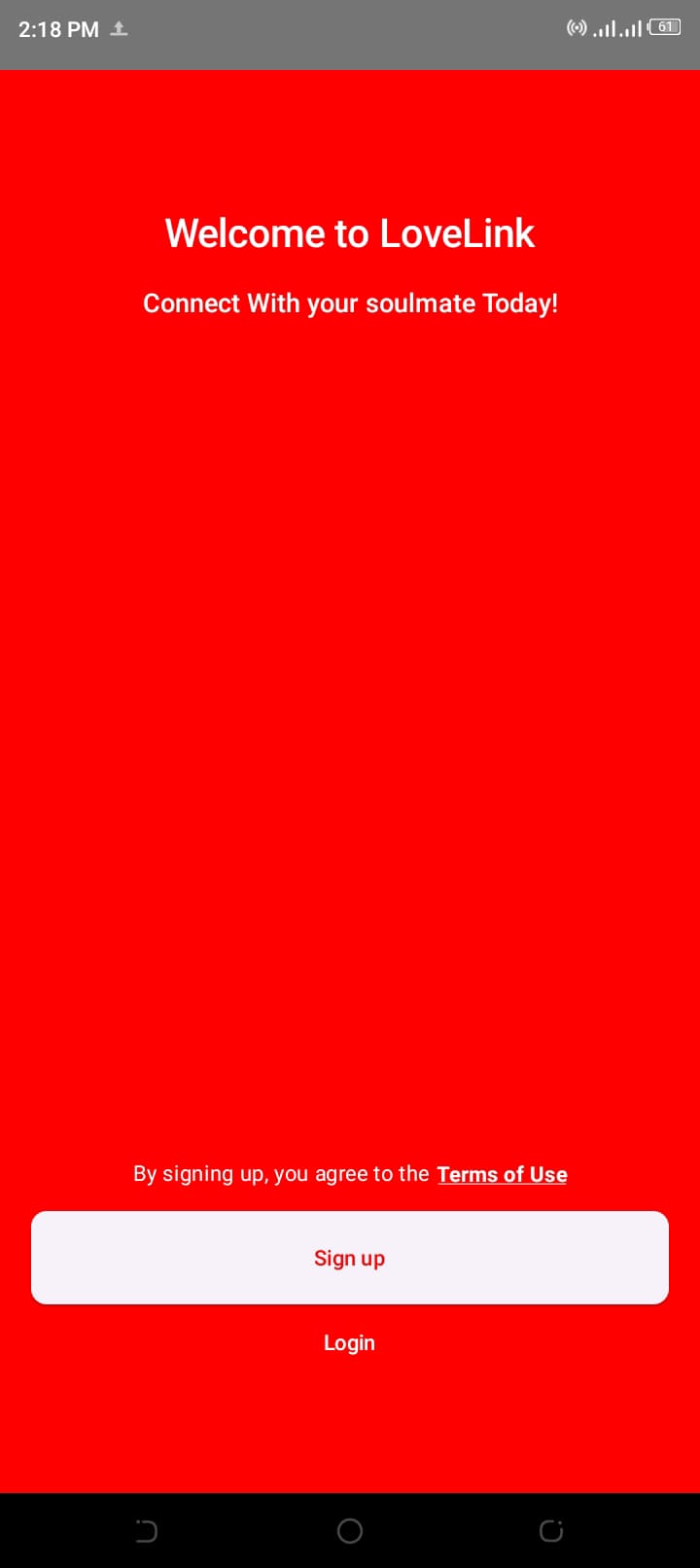
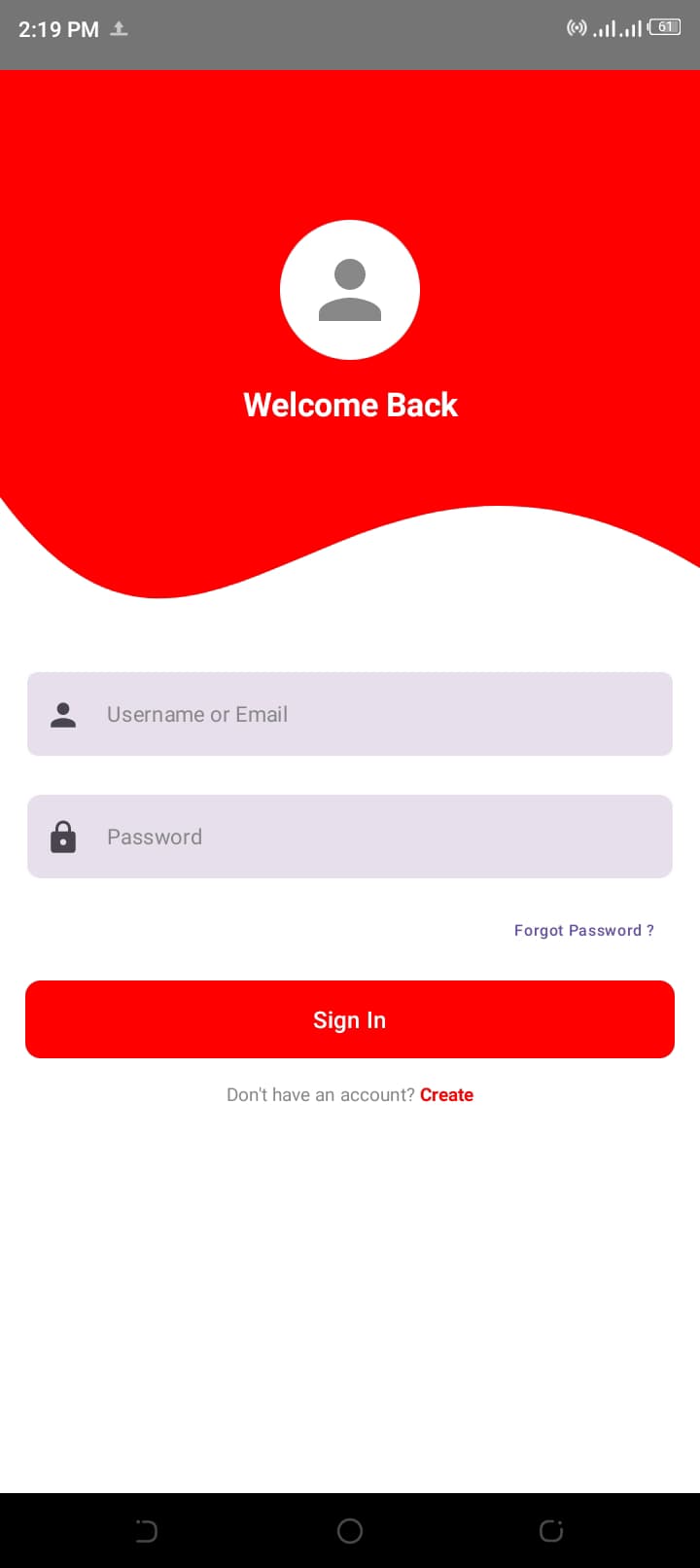
AuthenticatedSessionController.php → Manages authentication

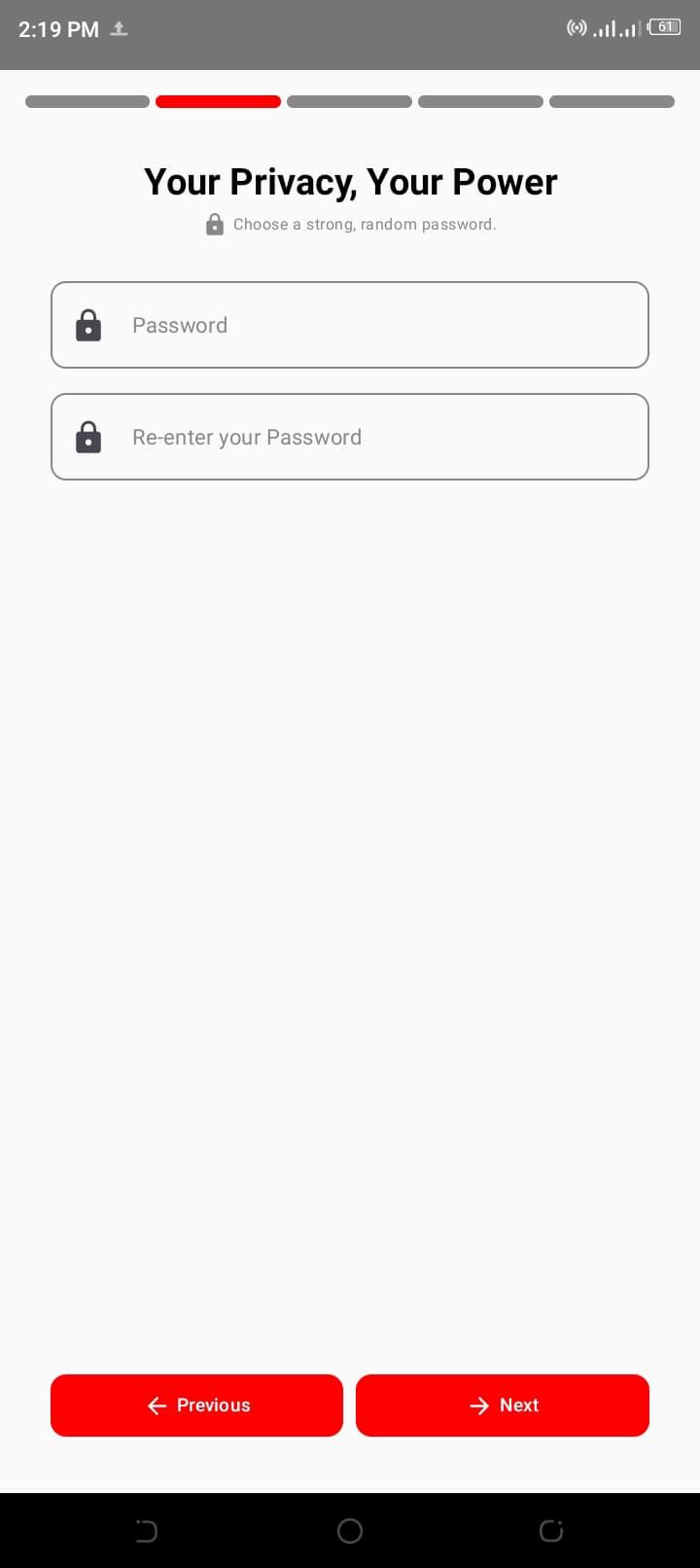
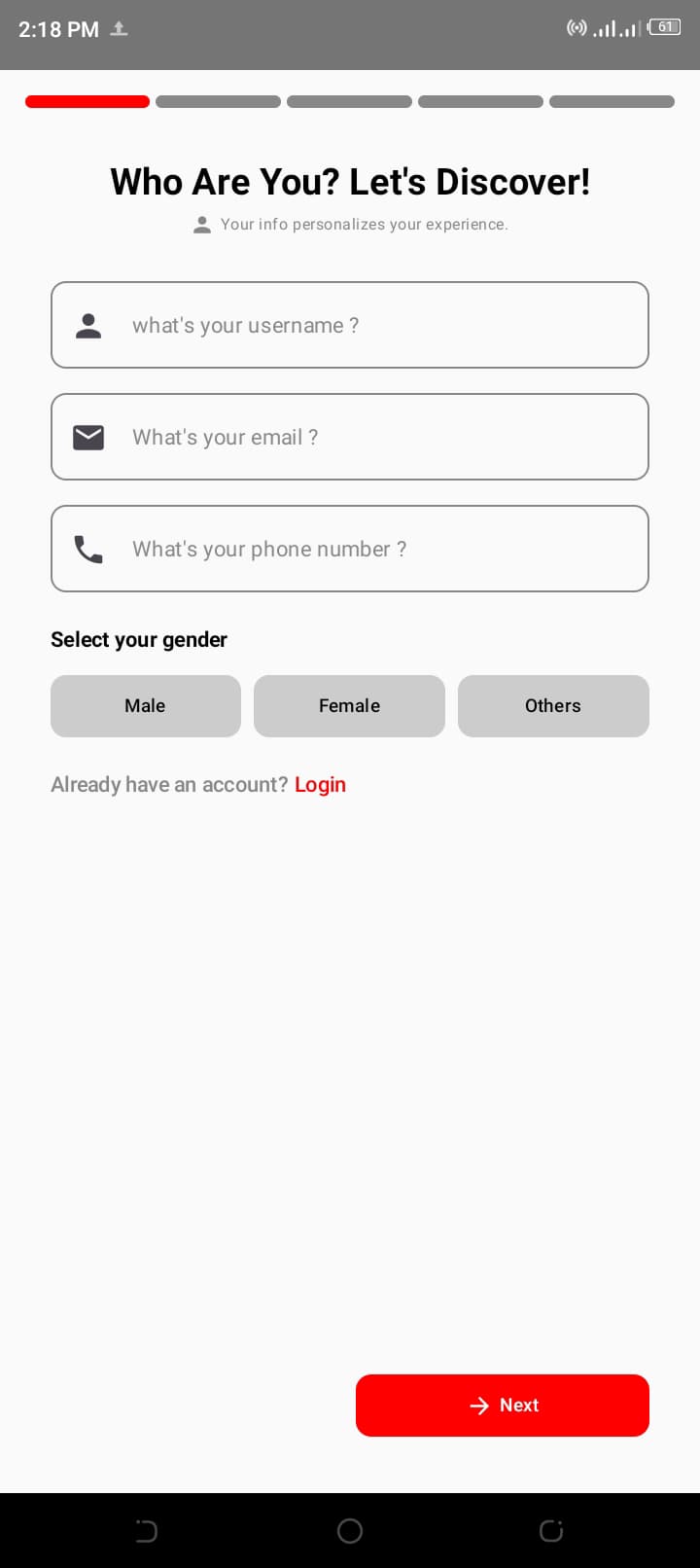
UserController.php → Handles profile updates

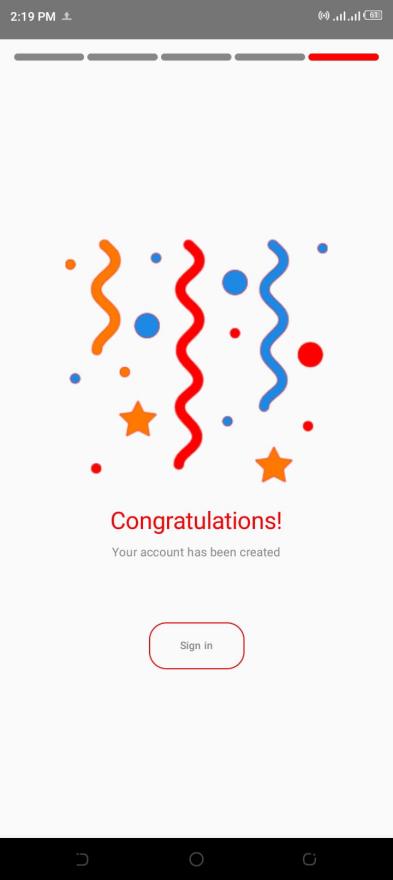
PhotoController.php → Manages image uploads

MessageController -> manages sending and receiving of messages

SettingsController ->handles settings options

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