1) Login and Register

Built in auth in laravel: php artisan make:auth

Controllers> auth

Model> user.php

Views> auth

Route> web.php

2) Encrypt/Decrypt User Information

php artisan key:generate

.env >

APP_KEY=base64:BQoxZC7gwUhY9BnXOfOcK4zN0pmc20L577G+sBMjr+s=

Registeredusercontroller > encryption

3. Password should be hashed and salted before storing in the database.

To hash and salt passwords in Laravel, we don't need to manually handle the hashing process. Laravel automatically hashes and salts passwords using the Bcrypt algorithm. Laravel's built-in authentication system takes care of it.

Passwordcontroller.php

Model > user,php

```
IIIumInace/Foundacion/Auch/Oser. as Auchencicacable;
use Illuminate\Notifications\Notifiable;
use Illuminate\Support\Facades\Crypt;
use Laravel\Sanctum\HasApiTokens;
class User extends Authenticatable
   use HasApiTokens, HasFactory, Notifiable;
    * The attributes that are mass assignable.
    * @var array<int, string>
    * The attributes that should be cast.
    * @var array<string, string>
   protected $casts = [
        'email_verified_at' => 'datetime',
       'password' => 'hashed',
   ];
    * Decrypt the name attribute when retrieving it.
    * @param string $value
    * @return string
```

4. Separate function for credential check.

Registeredusercontroller.php

5. A key management module should be defined.

Config > app.php

AES-256-CBC

php artisan key:generate

APP_KEY=base64:BQoxZC7gwUhY9BnXOfOcK4zN0pmc20L577G+sBMjr+s=

6. Users can post/view using encryption and decryption.