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Class : LC01

Documentation of ConnectFriend

Web Programming Course

I.   Backend Logic

a. Models

i. Avatar Model:
The Avatar model represents avatar images that users can purchase or send to others.

ii. Chat Model:
The Chat model represents messages exchanged between users.

iii. FieldOfWork Model:
The FieldOfWork model represents a specific profession or field of work a user can select.

iv. Payment Model:
The Payment model records user payments, primarily for registration fees.

v. User Model:
The User model represents an authenticated user in the system. It extends Laravel's Authenticatable class to provide built-in authentication functionality.

vi. Wishlist Model:
The Wishlist model tracks users added to another user's wishlist.

b. Usage Scenario

i. Avatar Model:
Users can buy or send avatars. This tracks which users own which avatars.

ii. Chat Model:
Facilitates communication between users via messages.

iii. FieldOfWork Model:
Enables users to associate themselves with specific fields of work.

iv. Payment Model:
Tracks user payments for registration or other services.

v. User Model:
Core model for managing user accounts, profiles, and relationships with other models.

      vi. Wishlist Model:

      Allows users to bookmark other users for potential interaction.

c. Relationships

    i. Avatar:

    Belongs to many User models (via user_avatars table).

    ii. Chat:

    Belongs to User (sender) and belongs to User (receiver).

    iii. FieldOfWork:

    Belongs to many User models (via user_field_of_works table).

    iv. Payment:

    Belongs to a single User.

    v. User:

    Has many Payment, Wishlist; belongs to many FieldOfWork and Avatar; has a hasManyThrough relationship with Wishlist for wished users.

    vi. Wishlist:

    Belongs to a single User and relates to another User through wished_user_id.

II. Application Flow

a. The application will display a home page containing photos from other users who have registered, according to the theme. If the theme is Casual then it contains pictures of users showing their hobbies, if the theme is Job, then display users who show their profession and field of work.
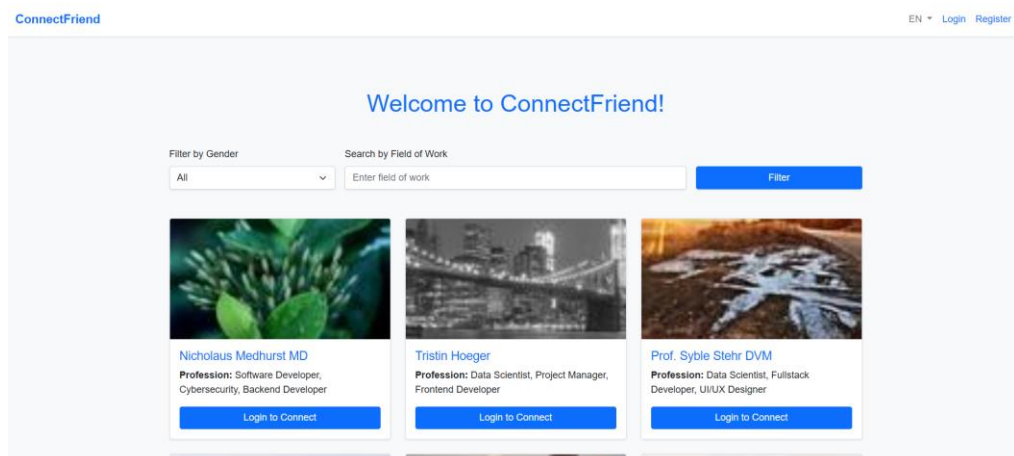
b. If the user selects one of the users in the image, direct the user to login if not already logged in. If the user has not registered, then create a register button that can be seen clearly on the login page.

Login

Email

Enter your email

Password

Enter your password

Login

Don't have an account? Register here. Register here.

Register

Name

Enter your full name

Email

Enter your email

Password

Create a password

Gender

Male

Fields of Work

☐ Software Developer   ☐ Data Scientist   ☐ Graphic Designer
☐ Project Manager   ☐ Cybersecurity   ☐ Fullstack Developer
☐ Backend Developer   ☐ Frontend Developer ☐ UI/UX Designer

Select at least 3 fields of work.

LinkedIn Profile

Enter your LinkedIn profile URL

Mobile Number

Enter your mobile number

Register

Payment Checkout

Registration Fee: **113655** Coins

Enter Payment Amount

Enter amount in coins

Pay

• You are still underpaid by 113654.   ✕

Payment Checkout
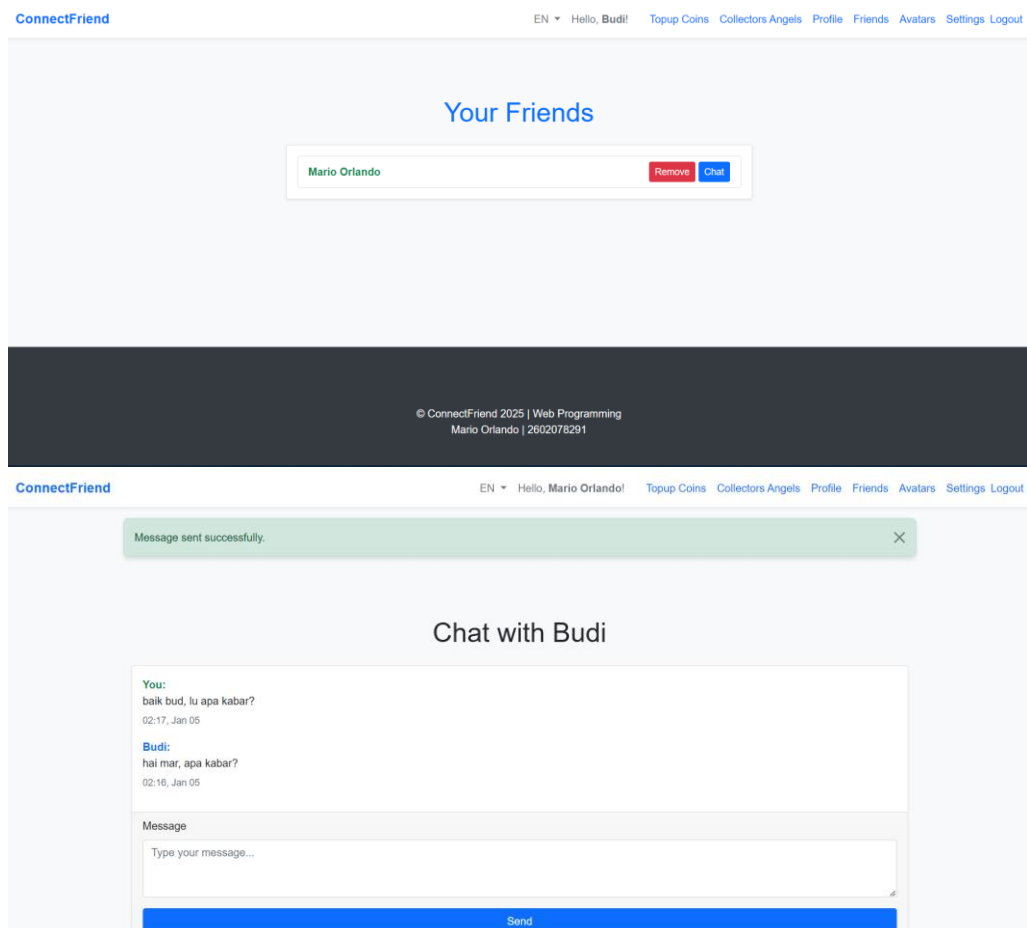
Registration Fee: **113655** Coins

Enter Payment Amount

Enter amount in coins

Pay

c. Users can press the Thumb button to enter the desired user into the Wishlist.
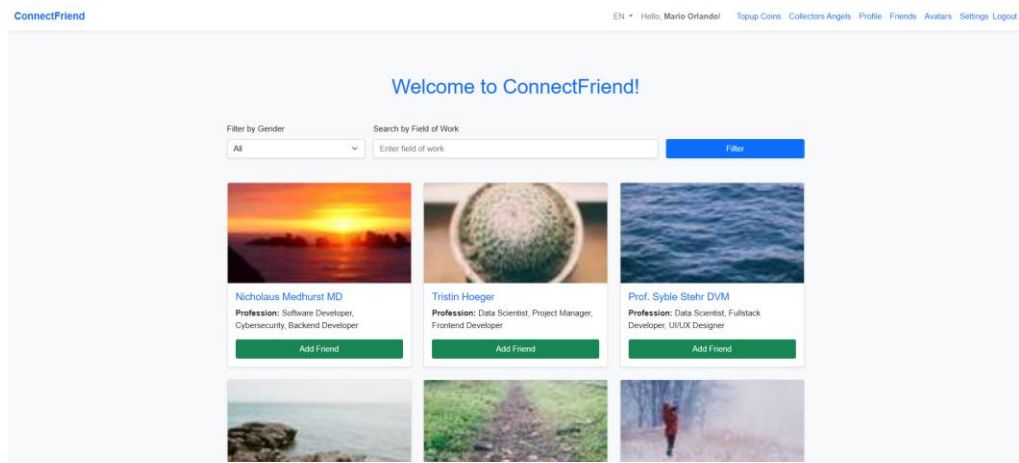
d. If other users respond by pressing the Thumb button too then users can communicate with each other through the application (chat / video call (choose one)).

e. Users can filter users by gender. Create a container (page/section) for the gender filter.
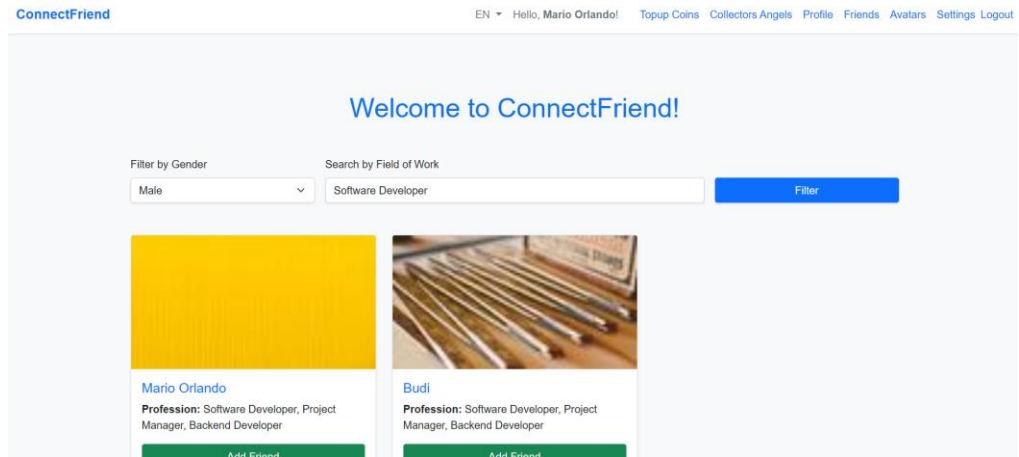
f. Users can search by hobby/field of work. Create a container (page/section) to filter hobbies/fields of work.
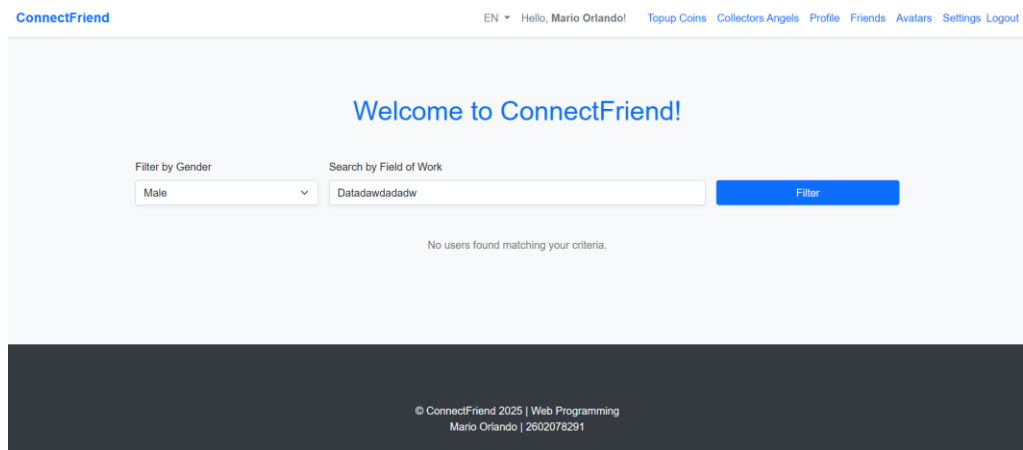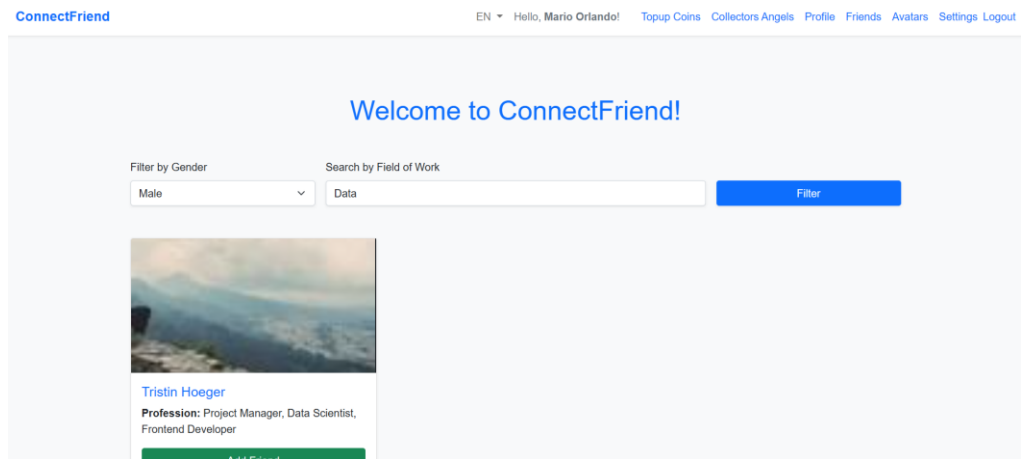
g. Users can buy avatars, A.K.A images with the money given free of 100 coins, or 100 coins + overpaid at registration (convert to coins). Your free to choose avatar image. Cheapest avatar 50 coins. o The most expensive avatar is 100,000 coins.

Avatars

Avatar 1	Avatar 2	Avatar 3
Price: 11533 Coins	Price: 94729 Coins	Price: 93037 Coins
Buy	Buy	Buy
Send to:	Send to:	Send to:
Select user ▾	Select user ▾	Select user ▾
Send	Send	Send

- Insufficient coins to buy this avatar.   ✕

Avatars

Avatar 1	Avatar 2	Avatar 3
Price: 11533 Coins	Price: 94729 Coins	Price: 93037 Coins
Buy	Buy	Buy
Send to:	Send to:	Send to:
Select user ▾	Select user ▾	Select user ▾

Avatar purchased successfully.   ✕

Avatars

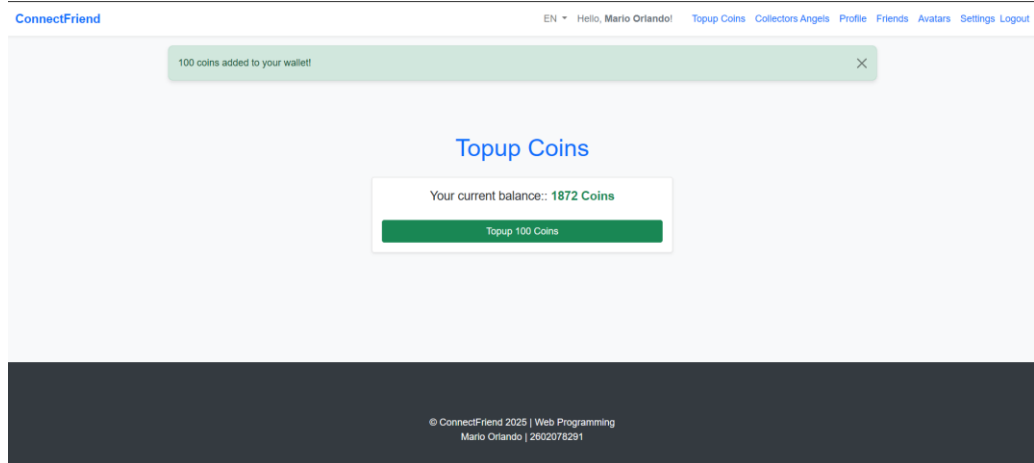| Avatar 1	Avatar 2	Avatar 3
Price: 11533 Coins	Price: 94729 Coins	Price: 93037 Coins
Buy	Buy	Buy
Send to:	Send to:	Send to:
Select user ▾	Select user ▾	Select user ▾
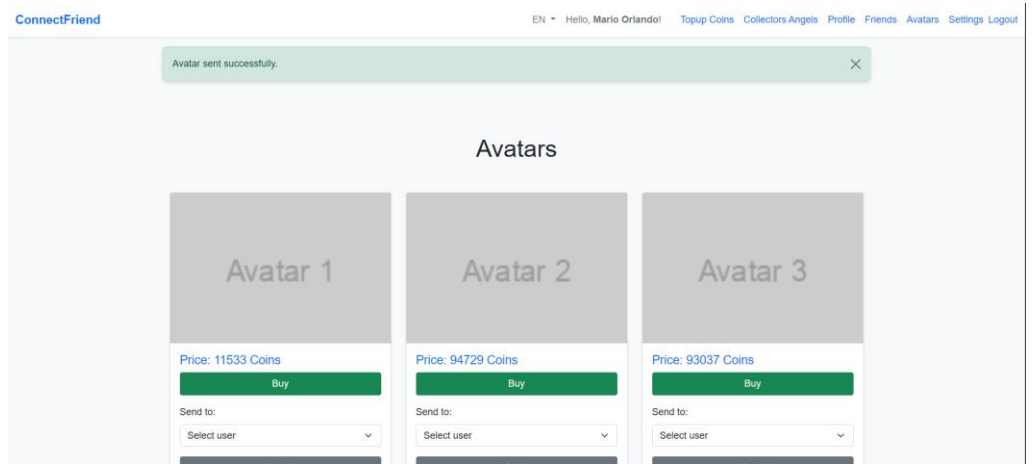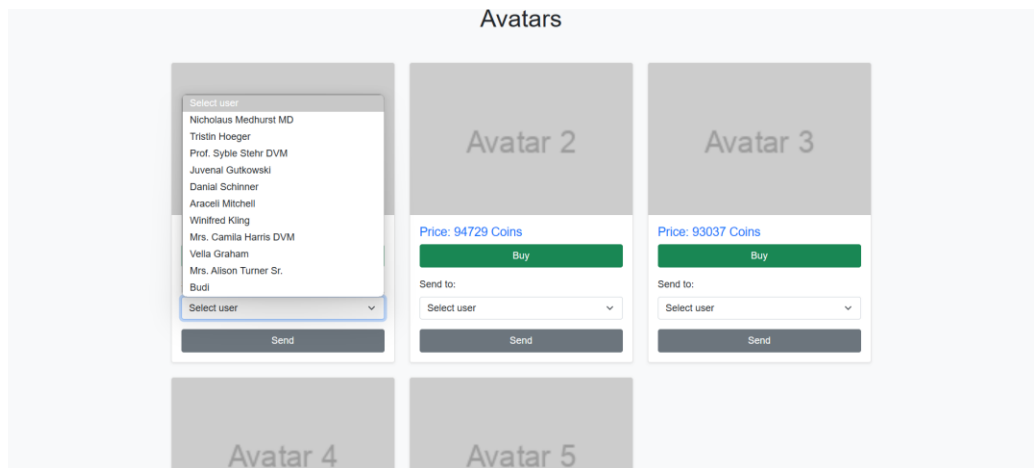
h. Users can also topup coins. Make a coin topup page with 1 button and you can add coins. Every topup with 1 button click will add 100 coins


i. Users can send avatars to other users. All submissions of Avatar images can be seen in the Collectors Angels (Show Off) menu.
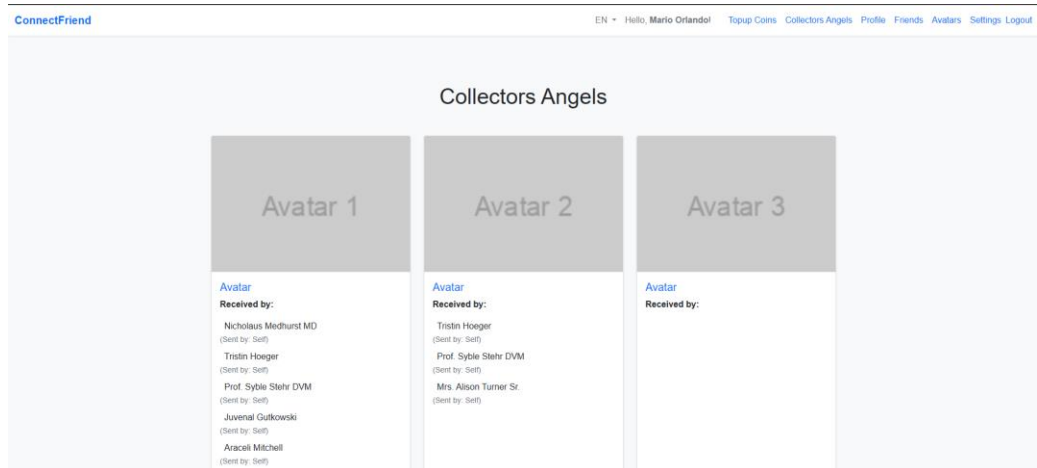
j. Create a Settings menu, users can disappear from the list at home by paying 50 coins. Then the user's photo on the profile will be replaced with a bear photo, random 1 of 3 default bear photos.
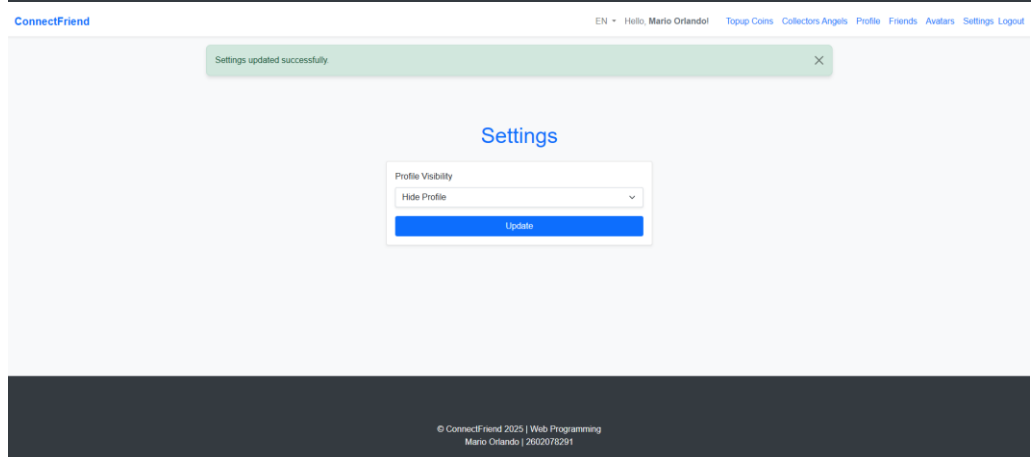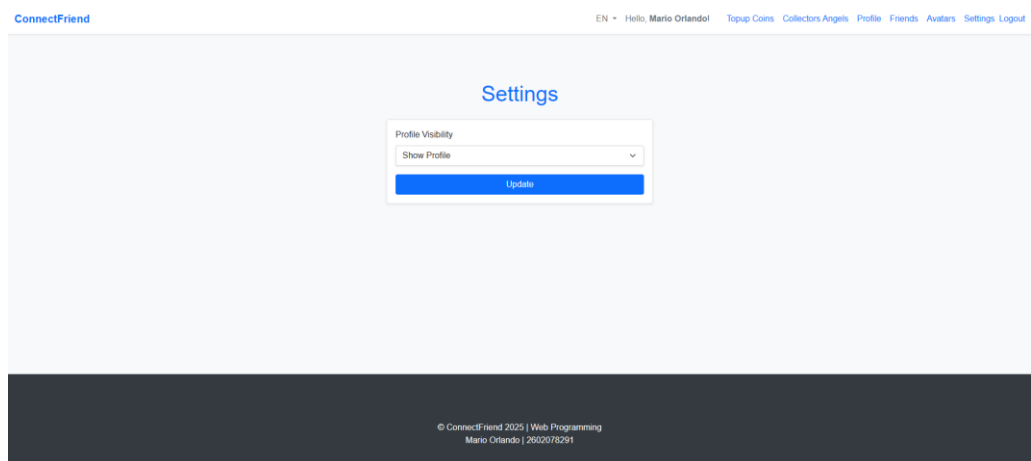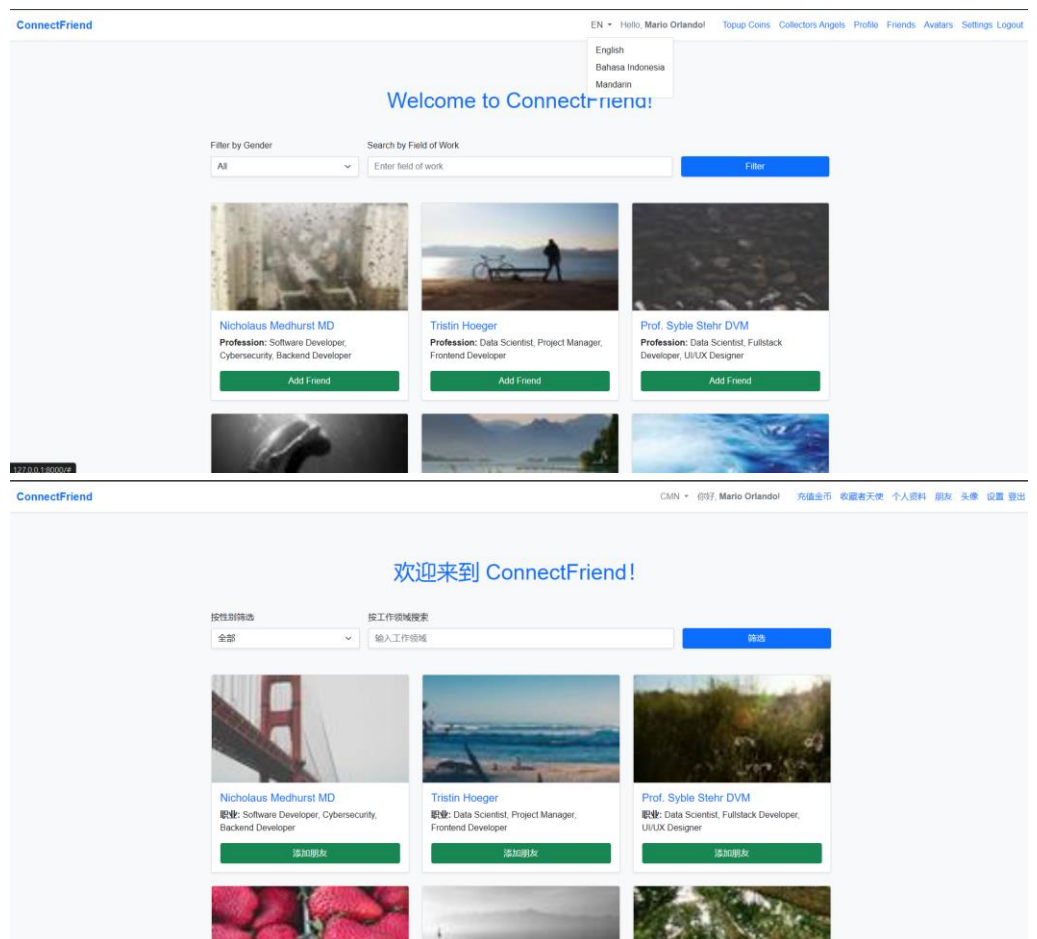

k. Users can bring their photos back by paying 5 coins, then the photos will appear and can be searched again by other users (update table users set visible).
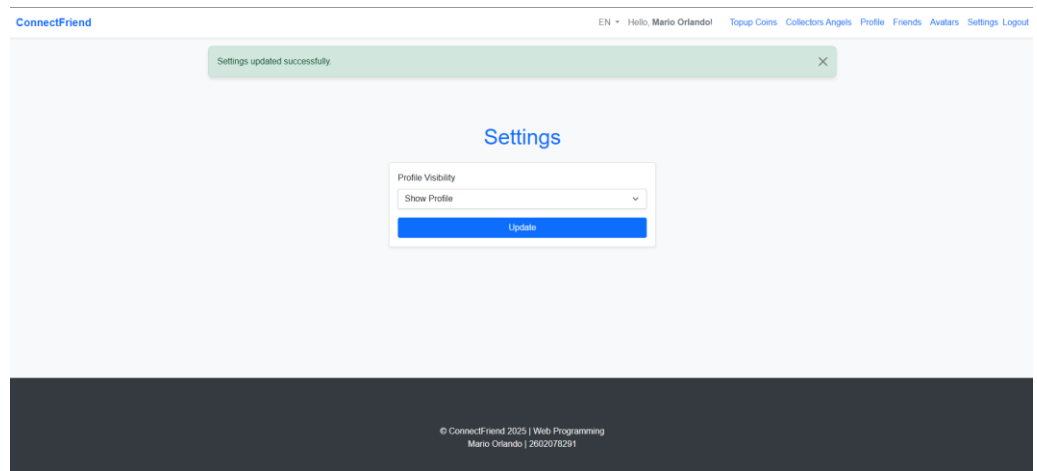
III. Another Features

a. Localization

b. Update Profile

Profile

Mario Orlando
Email: mario796gt@gmail.com
Gender: messages Male
Coins: 1817

Update Profile

Email

mario796gt@gmail.com

Gender

| Male | ▾ |

Profile Picture

| Choose File | No file chosen |

Update Profile