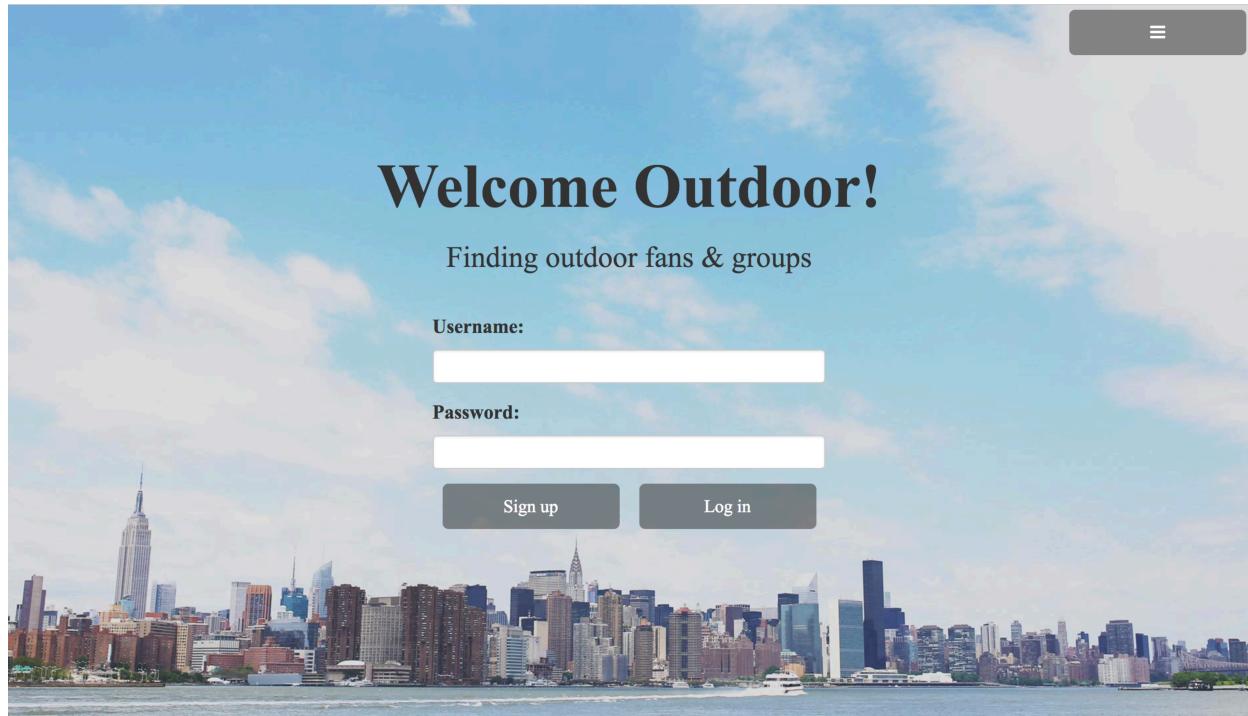


Project 2



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Intro:

In the second project, we have created a web-based user interface for the database designed in our first project. And users are able to signup and login, create a profile, edit profile, create activity posts, create diary entries, add pictures or video to the diary, maintain friendships with other users, accept/reject friends requests and we also achieved functions including like action, pin locations on maps, send and answer friend requests, etc., as the requirements were described.

Function design:

(1).Login and Signup page: User first use the website should signup for a new user profile, then for the user who has been registered before, can just login and go continue.

Description:

When user first visit the website, he/she should click on the sign up button for first time register. Then, in the Signup page, the user should create the new profile, including Username as its own name, Email Address(one user could only register for one email address), set up password and confirm it once again, phone number, Age, residence address. Here is the sign up page.

Please sign up for Outdoor It's free!

Username

Email Address

Password

Confirm Password

Phone number

Age

Address

Male Female

Sign up

The form has automatic problem alert, if the user enter in incorrect format it will pop up the alert, such as forget to enter the '@' symbol while typing the email address.

The screenshot shows a sign-up form with two fields: 'Username' containing 'aa' and 'Password' containing '*****'. A red validation message box is displayed above the password field, stating: '请在电子邮件地址中包括“@”。“aa”中缺少“@”' (Please include '@' in the email address. '@' is missing from 'aa'). To the right of the form, a list of validation messages is shown in a pink box:

- You have mistakes with your enter:
- Please enter your Address.
- Please enter your Name.
- Please enter your email.
- Please enter your password
- Please enter your password
- Please enter your phone number
- Please enter your age
- Please check your gender

After filling the sign up form, the user can save and click on sign up, then it is time for enjoying the website. If you already registered, every time you can simply login with the Username and the password. If you want to log out, just click on Log_out button.

The screenshot shows a login page with 'Username' set to 'Amy' and 'Password' set to '*****'. Below the fields are 'Sign up' and 'Log in' buttons. To the right is a sidebar menu with the following items:

- Home
- About
- Services
- Portfolio
- Log_out**

(2).Edit Profile: Every user can edit the profile, make modification on the profile page.

Description:

Every user can edit their profile if they click on the Edit button in the Profile page. They can upload their profile photo, change any personal information they like. Here shows the Profile page.

The screenshot shows a 'Profile Edit' page with the following user information:

- UID: 2
- Username: Amy
- Email: hz563@nyu.edu
- Age: 21
- Gender: female
- Phone: 2123332566
- Address: 235w Apt 4B, NY 10025
- Intro: I am a student in NYU Tandon School. I like go hiking and biking.
- Sign_up_time: 2014-03-22 00:00:00
- Last_login: 2017-05-07 16:47:15

The user can change the following information shows in the Edit form. After submit, the modification has been saved. For example, as user Amy, she changed the phone number and home address, then after submit, phone number, address and last login time all have changed, as following picture shows.

Edit Your Profile Back

Username: Amy

Email: hz563@nyu.edu

Password:

.....

Phone:

2123332566

Age:

21

Address:

235w Apt 4B, NY 10025

Intro:

I am a student in NYU Tandon School. I like go hiking and biking.

Profile Edit

UID: 2

Username: Amy

Email: hz563@nyu.edu

Age: 21

Gender: female

Phone: 13801106818

Address: Garden North Road No.52, Haidian district

Intro: I am a student in NYU Tandon School. I like go hiking and biking.

Sign_up_time: 2014-03-22 00:00:00

Last_login: 2017-05-07 16:47:15

(3).Add Friends: Any user can add other user as friends. Also, it is privileged to decline or accept the request.

Description:

After login to the home page, you can see in the left side bar, it has FRIENDS symbol, clicking on it, the friends list will show up. In this example, it shows Amy's friend list. And you can click on go to her friends home page or view friends profile, but the most important thing is the login user still Amy, it didn't change.

Amy

FRIENDS

Messages

Events

PAGES

Pages feed

Like pages

Create page

Create ad

Send Message

New Message

Friends list:

Chao Lee: Go to his/her home page | View his/her Profile

Li Yang: Go to his/her home page | View his/her Profile

Kirk: Go to his/her home page | View his/her Profile

Click on go to Chao Lee's home page:

 Chao Lee

FRIENDS
Messages
Request as friend

PAGES

User's Post
Like pages
Create page
Create ad

Send Message

New Message

APPS

Games
On this day
Games feed

FRIENDS

Chao Lee

Blogs

Hiking Group



Poster: Amy | Post time: 2017-02-11 15:31:16 | Location: NY
3 person liked this post.

Click on view Li Yang's profile:

Profile Edit

UID: 3
Username: Li Yang
Email: kl816@nyu.edu
Age: 26
Gender: male
Phone: 1351106756
Address: 343 Gold Street, Brooklyn
Intro: NYU School faculty
Sign_up_time: 2017-02-08 09:13:22
Last_login: 2017-05-05 18:07:10

Amy could add a user as her friend. For example, if Amy want to ask Karry as a friend. She will search Karry in the search bar, then go to Karry's profile. Click on Request as a friend. The result will show that you have been sent friend request to Karry.(UID=10)

You have already sent friend request to User UID = 10

[Go to his/her home page.](#)

10 kr@gmail.com 12345678 Karry 25 female

Then, Karry should see the friend request message, she will accept or decline Amy's friend request.

The screenshot shows a user profile for 'Karry'. On the left, there's a sidebar with 'FRIENDS' (Messages, Request as friend), 'PAGES' (User's Post, Like pages, Create page, Create ad), and a large 'Blogs' section featuring a background image of a textured surface. On the right, a 'Messages' panel displays a friend request from 'Amy' with options 'Accept' and 'Reject'. Below it are links for 'See all', 'This Week', and 'See more'.

If click on Accept:

In the database, UID=10 and UID=2 has became friends.

A confirmation message box states: 'You have already accepted friend request from User UID = 2' and 'Go to his/her home page.' To the right, a timeline shows two entries: '10 2 2017-05-07 17:40:13' and '11 11 2017-05-01 17:02:14'.

If click on Reject, Karry declines Amy's request, they are not friend.

A confirmation message box states: 'You have already rejected friend request from User UID = 2' and 'Go to his/her home page.'

(4).Activity Post: Shows activity postings of user and users friends.

Description:

Once user logged in, the user can see the home page, which will post user's friends and the user's posts in the time descending order, reveal the recent activity posts first. For example, Amy has only one friend sent the posting, Li Yang has been posted two articles during 2017. And Amy posted one posting on February, 2017. So, after login, Amy can go through her home page, it shows 3 recent postings. First one and second posting are from Li Yang, one is sent on 3/11/2017, the other one is sent on 3/10/2017. The last one is from Amy, 2/11/2017.

search here... Search

Profile | Home     |  

Amy

FRIENDS
Messages
Request as friend

PAGES
User's Post
Like pages
Create page
Create ad

Send Message
New Message

APPS
Games
On this day
Games feed

FRIENDS
Close friends
Family

INTERESTS

Blogs

Hiking Activity



Poster: Li Yang | Post time: 2017-03-11 20:11:53 | Location: Santa Clara
3 person liked this post.

Enjoy best Kayaking in NYC

Messages

See all

This Week

See more

Recent Posts

See more

You haven't posted in this days

See all

write a post

Enjoy best Kayaking in NYC



Poster: Li Yang | Post time: 2017-03-10 21:10:53 | Location: New York
2 person liked this post.

Hiking Group



Poster: Amy | Post time: 2017-02-11 15:31:16 | Location: NY
3 person liked this post.

(5).Diary Entry: It shows the content, multimedia, timestamp, location, like number and comments of a posting.

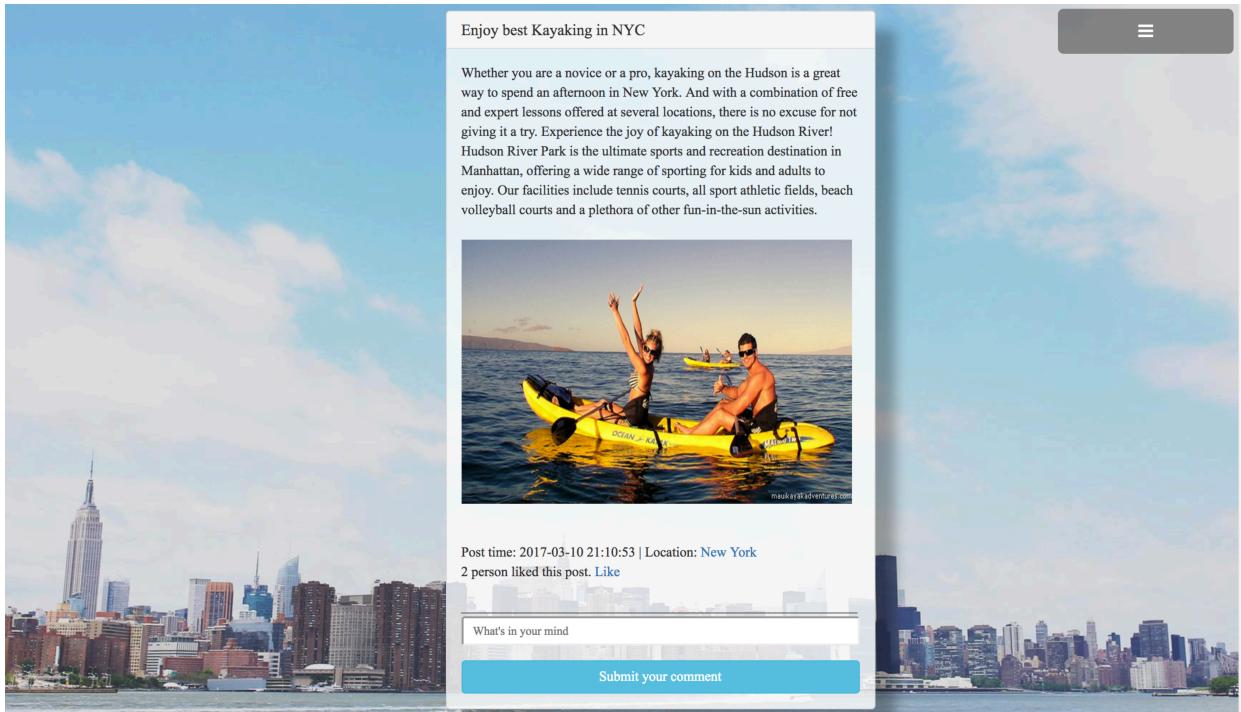
Description:

Click on the post title of each post, it will show the post page, shows the integrity post with post title, text, timestamp, photo or video, the location, how many people liked the posting. Also, leave the comment to the posting is supported.

The image shows a mobile application interface for a social media or diary platform. At the top, a white header bar displays the text "Time to sleep!". Below this is a dark blue content area containing a photo of a chimpanzee dressed in a white shirt and tie, looking slightly to the right. Above the photo, the text "I feel really tired now." is visible. To the left of the photo, there is some PHP code:

```
<?php  
for($i=1;$i < 3 ;$i++){  
    print(chr($i+1 > 3 ? 60:51));  
}  
?>
```

Below the photo is a black video player interface with a play button icon in the center. At the bottom of the screen, there is a footer bar with the text "Post time: 2017-05-03 00:11:39 | Location: Boston" and "0 person liked this post. Like". A horizontal line separates this from a comment section. The comment section includes a profile picture of a person named Kirk, the text "I need to sleep!", and the timestamp "Comment time: 2017-05-03 00:15:34". Another horizontal line separates this from another comment by Li Yang, which is partially visible.



(6).Session: Keep the status that one user is online and don't need to log in again and again. This status only can be changed by log in another account number or log out.

Description:

After you login, you can only edit your own profile, and when you see others' profile and want to edit, the page will show you that you have no authority to edit! What's more, this status is used to add posterID to database when you add a new post to the website, it also influence the privacy of one post. If one post's privacyType is private, then only the poster himself can get into the post entry and see the body of the post. If one's post's privacyType is To Friends, then if your session id tells that you are not the friends of the poster, you still have no authority to access the post.

When it comes to Like function, the session id is used to detect if you have already like the post. If not, then the like person +1 and show it on the post page, if yes, then nothing will be changed since you can't like the post twice.

But generally, this function is not explicitly shown in the website, it's much easier to show this by some easy code.

```

<?php

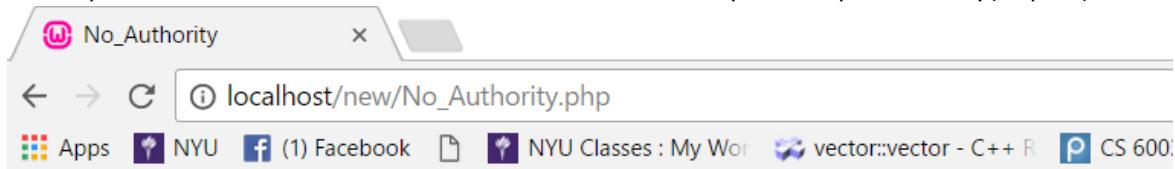
    include("connect.php");
    session_start();
    error_reporting(0);

    if($_GET["logout"]==1 && $_SESSION['id']) {
        //message = "you have been logged out!!!";
        session_destroy();

    }

```

And I put one screen shot after the action of access a other person's private diary(or post) here:



You have no authority to do this!

(7).Map/Add Location: Show the location area and sign the point on the map.

Description:

I designed this by checking if this location data had been collected.

If one location data is collected and in database, then the location will be shown as a hyperlink like this:



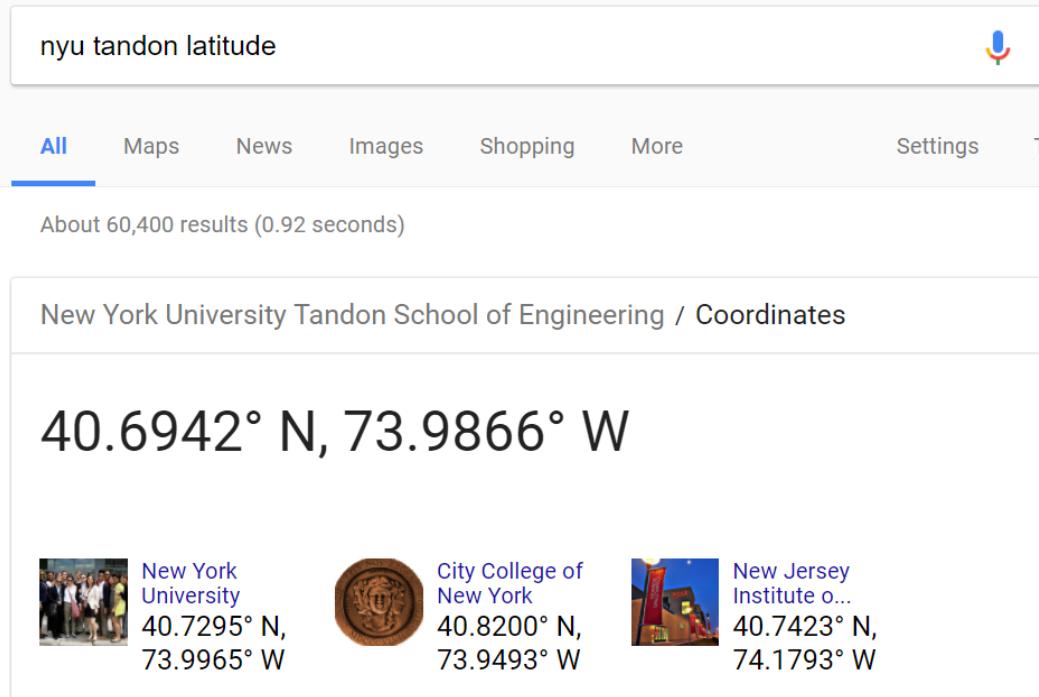
Result Grid				Filter Rows:
LID	Lname	longitude	latitude	
101	New York	74.0059° W	40.7128° N	
102	Boston	71.0589° W	42.3601° N	

Here is the database log:

But if there is no database location log, yes you of course can add a new post when you generate a new post, but the location will now be shown as a hyperlink to the map.php like this:

Post time: 2017-05-02 23:58:32 | Location: 123
1 person liked this post. Like not hyperlink!

I think the location data should be offered by iphone itself or google search like this :



nyu tandon latitude

All Maps News Images Shopping More Settings T

About 60,400 results (0.92 seconds)

New York University Tandon School of Engineering / Coordinates

40.6942° N, 73.9866° W

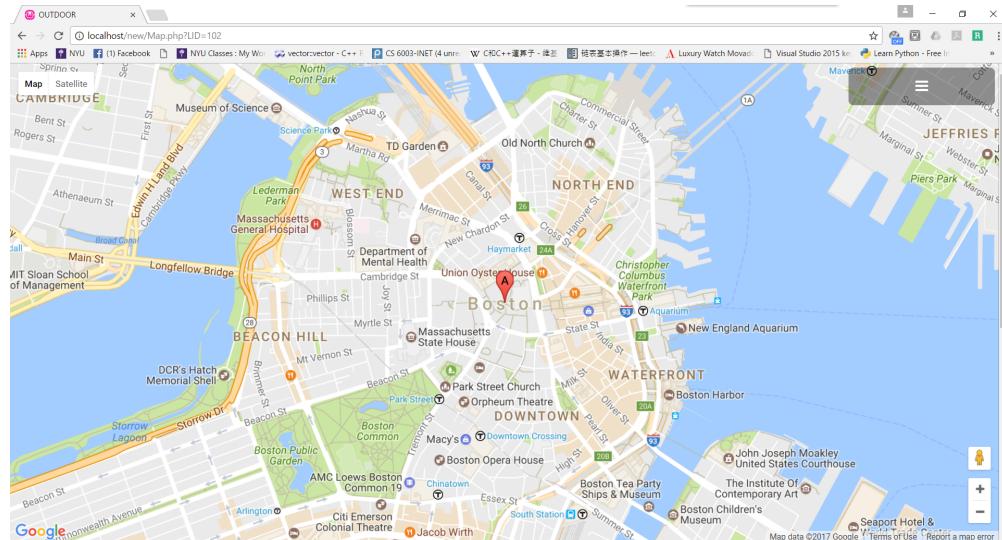
 New York University
40.7295° N,
73.9965° W

 City College of
New York
40.8200° N,
73.9493° W

 New Jersey
Institute o...
40.7423° N,
74.1793° W

I didn't design add location this part since get location from iphone or PC is much beyond our class requirement.

When click the hyperlink, it goes into "map.php", collects the data from database and show the sign point:



This map can be used the same as normal google map, we can drag, sign and do whatever we want.

Some hints: When generate this page, one should apply a new Google map's API security key to finish this and should convert normal latitude longitude to google's location format, more specific description can go to attachment "map.php" and Google search "google map API".

(8).Like: Show how many people liked your post.

Description:

One can only like one post once, if one clicked twice, then only counted as once.

	UID	PostID
	2	1
	3	11
	5	1
	5	11
	5	12
	NUL	NUL

Post_like table is shown as following:

The table only contains two attributes: UID and PostID.

UID is who liked this post, and PostID can direct to which post has been liked. Pretty straightforward I think.

Before:

Post time: 2017-05-02 23:58:32 | Location: 123
1 person liked this post. [Like](#)

	UID	PostID
	2	1
	3	11
	5	1
	5	11
	5	12
	NUL	NUL

After:

Post time: 2017-05-02 23:58:32 | Location: 123
2 person liked this post. [Like](#)

	UID	PostID
	2	1
	3	11
	3	12
	5	1
	5	11
	5	12
	NUL	NUL

(9).Comments: Show the comments from all users to the post.

Description:

This is a part of "Post.php"(See as attachment).

When you are in log in status, post.php will use your session id to generate a new comment.

This comment part show the name of the person who comments and I add a hyper link to the user's homepage. It also shows the comment body and comment time.

Before comment:

Kirk:
I need to sleep!
Comment time: 2017-05-03 00:15:34

Have a relax!

Submit your comment

Post time: 2017-05-03 00:11:39 | Location: Boston
0 person liked this post. [Like](#)

Kirk:
I need to sleep!
Comment time: 2017-05-03 00:15:34

Li Yang:
Have a relax!
Comment time: 2017-05-07 11:45:36

What's in your mind

Submit your comment

After:

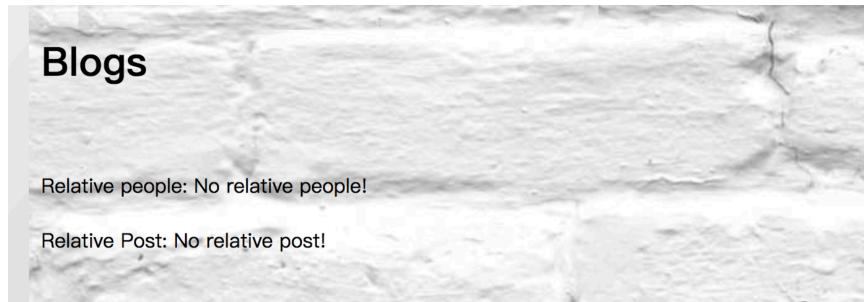
It might not easy to generate, but definitely easy to understand.

(10).Search Friend or Postings: Find the friends or activity postings in the search bar.

Description:

The user can easily find friends or postings through the search area. For example, Amy want to find her friend Li Yang and visit his profile/home page. She typed the Li Yang in the search area and click on search. The search result is as following:

If she searched any person is not her friends or typed a wrong person's name, the result will be:



She also can type in any activity she's interested in. The searching result is:

(11). Extra Feature(Send Private Message): Every user can leave message to their friends.

Description:

Each user can leave a private message to their friends. Also, the friend can send back to communication with he/she. In the home page, click on left side bar Send Message, it will show the friends list and two option, one is to see the conversations and the other is start a new conversation with your friend.

For example, Amy want to send message to her new friend Karry. She clicks on Karry, and then enter the messages. Shows conversation started.

The screenshot shows the Private Message System interface. On the left, there is a sidebar with the user's profile picture and name ('Amy'), followed by sections for 'FRIENDS' (Messages, Request as friend), 'PAGES' (User's Post, Like pages, Create page, Create ad), 'Send Message' (New Message), and 'APPS' (Games). The main area is titled 'Private Message System' and contains buttons for 'Conversations' and 'Start New Conversations'. A section titled 'Select user' lists friends: Chao Lee, Li Yang, Karry, and Kirk. On the right, a sidebar titled 'Messages' offers links to 'See all', 'This Week', 'Recent Posts', and a note about recent activity: 'You haven't posted in this days'.

The screenshot shows the Private Message System interface after a new conversation has been started with 'Karry'. The main area displays the message 'Conversation started.' Below it is a text input field labeled 'Enter Message :' with a placeholder for the message content. At the bottom, there is a 'Send Message' button.

In the database message table:

mid	group_hash	from_id	message
2	224408813	2	Hi Chao LEE
3	185262260	2	Hi Li YAng
4	224408813	2	ww
5	224408813	2	mm
6	1611332562	2	Hi Kirk!
7	1611332562	12	Hi Amy! How was going?
8	1780979896	2	Hi Karry, really nice to meet you today!

After Karry logged in, she will see the message left from Amy, and she can reply to the message.

The screenshot shows a user profile for 'Karry'. On the left, there's a sidebar with navigation links for Friends, Pages, and Apps. The main area displays a 'Private Message System' with a conversation between 'Karry' and 'Amy'. The message from Amy says, 'Hi Karry, really nice to meet you today!', and Karry replies, 'Hey Amy, yes, me too! Would you like to have a day hiking with me on Sunday?'. There's a text input field for entering a message and a 'Send Message' button at the bottom. On the right, there's a sidebar titled 'Messages' with sections for 'See all', 'This Week', 'Recent Posts', and a note 'You haven't posted in this days'. A 'write a post' button is also present.

Reference:

Ke Yang – Developed the session feature;

Implemented Post page and New Post page;

Map function, Location function;

Profile and Edit Profile pages;

Friends function, FoF, Search friends and posts function;

Comments, Like function.

Yixuan Li - Work on the User Interface;

Developed the log in and sign up feature;

Implemented upload images feature;

Developed activity posts feature on home page;

Developed private message system.