



Data communication and Networking

Group project ----

CoChat (Cozy Chat)

Presenter (Group member):

Oliver(CHEN Kexuan) 1930026012

Peter(FU Jingyu) 1930026027

Mentor :

Dr. Ricky HOU



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Basic Idea



Why CoChat (Cozy Chat) ?

Cozy: feeling of comfort, warmth, and relaxation.

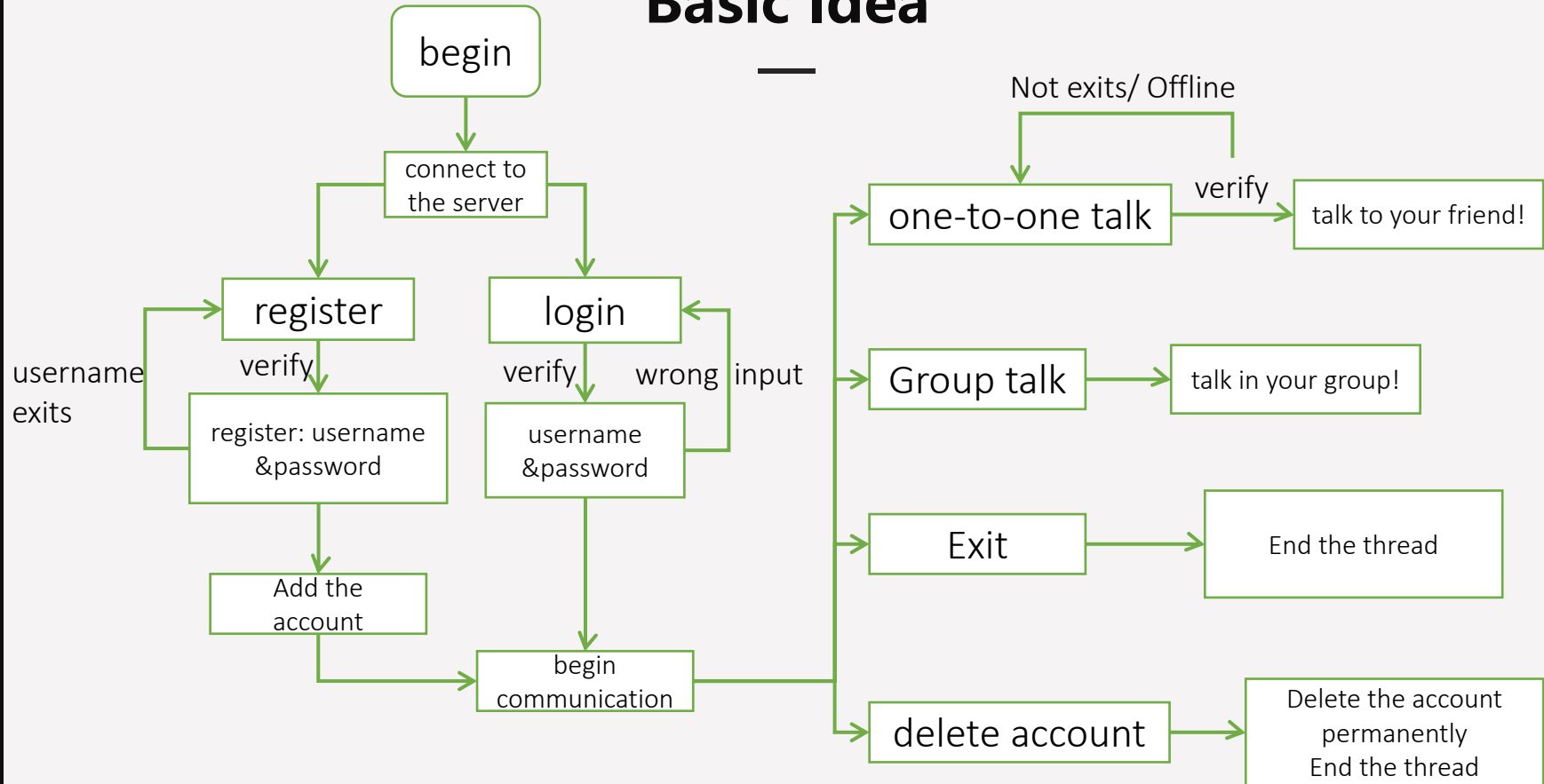
CoChat: Co-[prefix] cooperate, mutual, together.

Why C Code ?

Concise, precise, core language.

Apply the socket learning in lecture directly.

Basic Idea



Brief Display

```
Client connecting to: LAPTOP-0
*Welcome to the chat room*
+-----+
a: Login
b: Register
+-----+
```

```
Please choose: a
Please input your username: pi
Please input your password: 12
Wrong username or password, pl
Please input your username: pi
Please input your password: 00
You have successfully logged i
```

```
+-----+
a: One-to-one chatting
b: Chat in a group
c: Exit
d: Delete account
+-----+
```

```
Please choose: b
#### Chatting ####
```

```
Client connecting to: LAPTOP-0VRAQ022
*Welcome to the chat room*
```

```
+-----+
a: Login
b: Register
+-----+
```

```
Please choose: b
Please input your username: bird
Please input your password: 123
Username already exists, please input again!
Please input your username: flybird
Please input your password: 123
You have successfully logged in!
```

```
+-----+
a: One-to-one chatting
b: Chat in a group
c: Exit
d: Delete account
+-----+
```

```
Please choose: b
#### Chatting ####
```

Brief Display

```
Please choose: b
#### Chatting ####
+++++
pig:Hello, my name is pig, nice to meet you guys!
-----
Nice to meet you!!!!!!!
I am flying bird, happy to be your friend!
+++++
chen:Sorry, I am late. I am chen and I am happy to join this group discussion
-----
+++++
pig:That's alright! Let's start!
-----
```

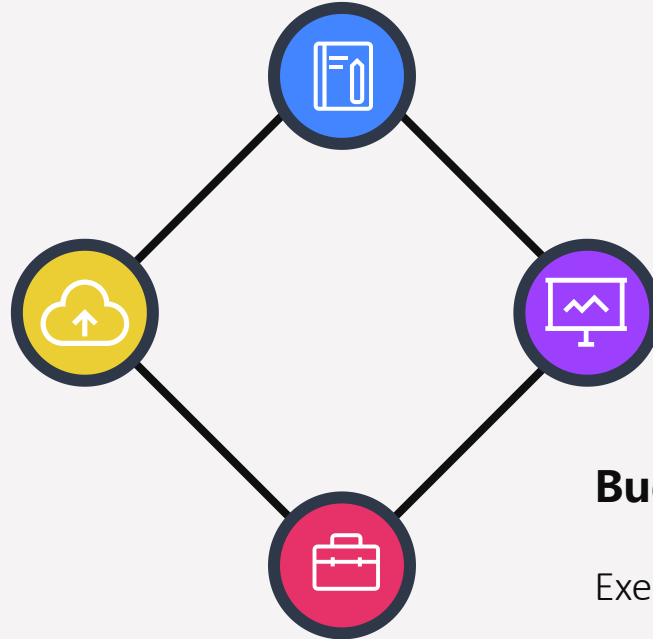
```
Please choose: b
#### Chatting ####
Hello, my name is pig, nice to meet you guys!
+++++
flybird:Nice to meet you!!!!!!!
-----
+++++
flybird:I am flying bird, happy to be your friend!
-----
+++++
chen:Sorry, I am late. I am chen and I am happy to join this group discussion
-----
That's alright! Let's start!
```

Difficulty and Gain

Members

Learn more

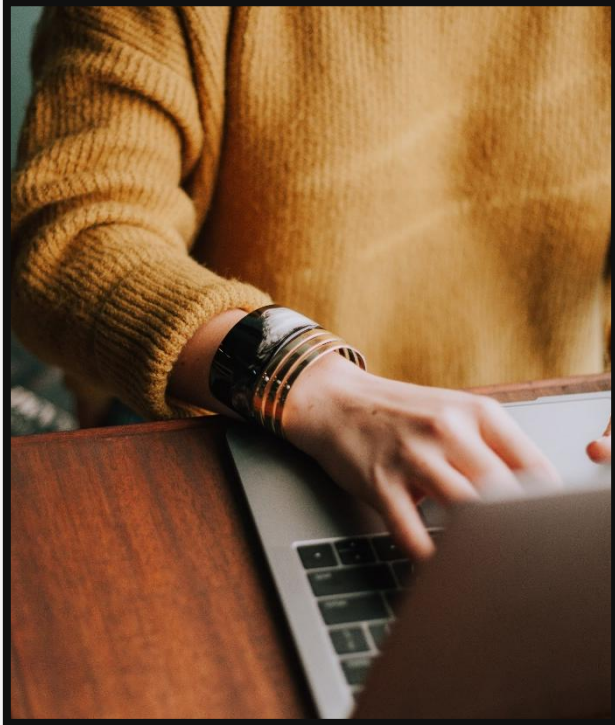
Easily communicate



Bugs

Exercise programming ability

Prospects



Quit function

User can quit during communication to choose other modes (one to one talk, group talk, exit, etc.)



Multi-Group function

Many chatting groups that you can choose.

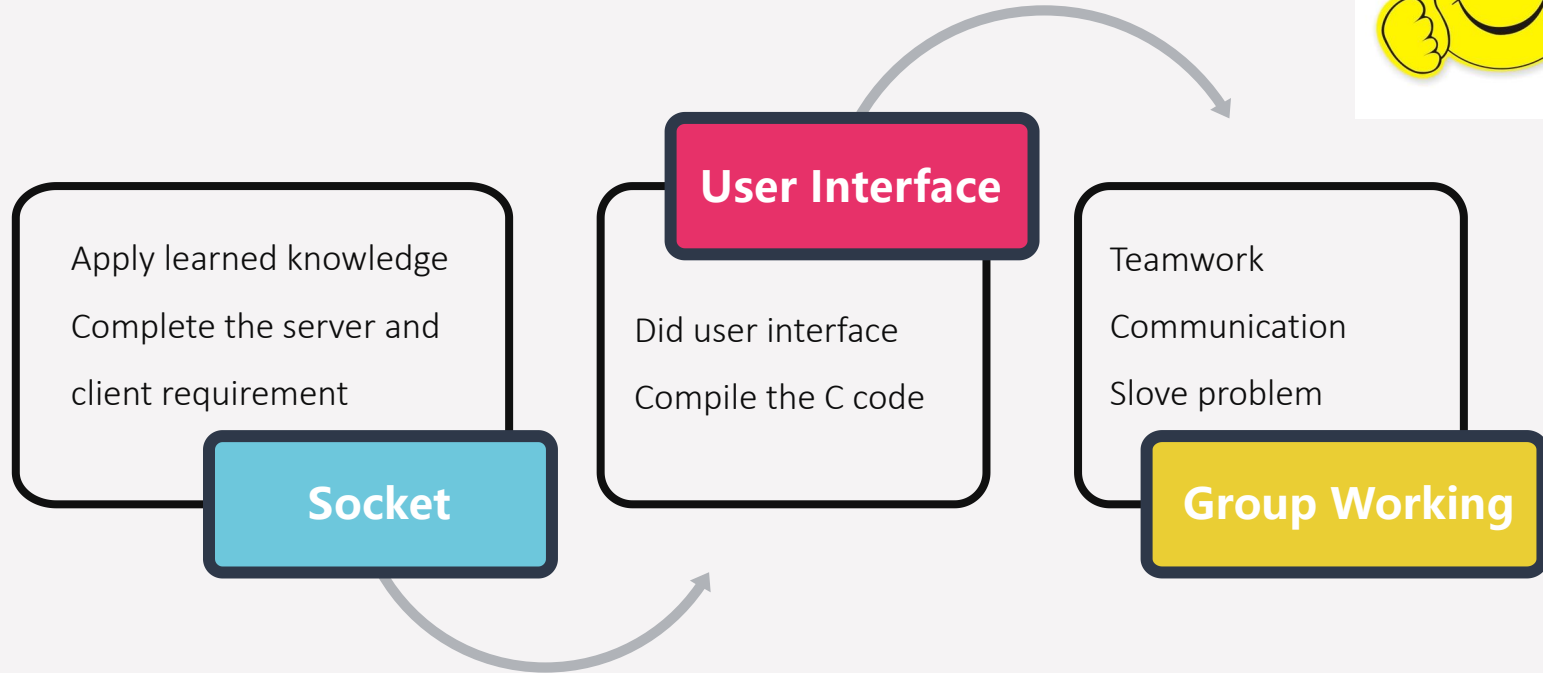


Further development

Friend system

User interface...

Summary





Thank you for your listening

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