**Term project**

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**Use Manual**

+) All units of money are "won".

**1) Coin price trend chart graph**

You can see the coin price trend chart without logging in.

+) If the user is not logged in, the user information does not appear on the right, but rather "로그인 되지 않았습니다.”

+) If you click the "코인 가격 갱신하기" button on the coin trading board after the coin transaction is completed on the coin trading board, the price per coin is added to the graph in the recent coin transaction, indicating the price of the recently traded coin.

**2) How to sign up**

Click “회원가입” button in navbar.

Enter your name, email, and password and press the “회원 가입” button.

Successful sign up.

\* When signing up for a membership, if the value of the password and the password verification are different, you will not be signed up and the message "비밀번호가 일치하지 않습니다." will be printed.

\* If you register with an existing email, the message “중복된 이메일 주소입니다.” will be printed.

+) Click “홈으로 가기” button to move to the first screen.

**3) How to log in**

Output "로그인 되지 않았습니다." Statement on the right when not logged in.

Click “로그인” button in navbar.

Enter your email and password and press the login button.

Login Successful.

Once logged in, you can see the logged in user information (name, email, number of coins held, account balance) on the right.

\* When logging in, if the email and password you enter are not in the database, the message "회원 정보가 없습니다." is printed out.

\* If you enter an invalid password, the message “비밀번호가 일치하지 않습니다.” will be printed.

\* When membership registration and login are completed, a name and e-mail appear on the right side of the website, and the number of coins held and account balance are zero for the first user.

+) Click “홈으로 가기” button to move to the first screen.

**4) How to log out**

Click “로그아웃” button in navbar.

When you press the Logout button, the message "로그아웃 되었습니다." is printed.

Logout Successful.

When logged out, print the sentence "로그인 되지 않았습니다." on the right.

**5) How to buy coin in coin market**

Click “코인 거래소” button in navbar.

First time on the coin exchange, you have 100 coins, and the price of 1 coin is 100 won.

In Purchase quantity, enter the number of coins you want to purchase and click the Buy Coin button.

When a user purchases a coin on a coin exchange, the remaining coin quantity portion of the coin exchange is updated.

Send message “코인을 구매하였습니다.”.

Coin purchase successful.

If the amount of money in the user's account is less than the number of coins he wants to buy \* the message "잔액이 부족합니다." is printed

If you click the "코인 가격 갱신하기" button on the Coin Exchange after the coin transaction is completed on the Coin Trading Bulletin, the current price per coin will be updated to the price per coin where the coin transaction was just completed.

And then send “가격이 업데이트 되었습니다.” message.

\* Users Can't Sell Coin to Coin Market

+) Click “홈으로 가기” button to move to the first screen.

**6) How users buy and sell coins among themselves**

Click “코인 거래하기” button in navbar.

[1] Purchasing

It has a search function, so you can search for articles by title, content, title+content, author, etc. on the coin trading bulletin board.

Click on the title of the coin post you want to purchase.

Click “코인 거래하기” button.

Send “거래가 완료되었습니다. 게시물이 삭제되었습니다.” message.

Coin Purchased.

\* A coin transaction on a coin bulletin board will buy all the coins posted on the post.

+) Click the “코인 게시판” button and go back to the bulletin board.

[2] Selling

Click the “글 작성” button.

Enter the title, content, number of coins, price per coin, and click the “작성” button.

If the number of coins the author has is less than the number of coins he enters when posting a post, the message "코인의 개수가 부족합니다." is printed.

\* In the title or content, specify how many coins are sold at what price.

\* When a user posts a post, the date of the post is displayed.

\* For the convenience of the user when writing, the author automatically prints the name entered when signing up for membership.

\* You must be logged in to write on the coin bulletin board, and if you are not, you will automatically be transferred to the login page.

\* You must be logged in when you buy a coin on the coin exchange, and if you are not, you will automatically be transferred to the login page.

+) Click “코인 게시판” button and go back to the coin bulletin board.

[3] Modifying and deleting sales statements

> Modification

Click on the title of the post.

Click “글 수정” button.

Choose a title, content, coin, or coin price and modify it.

+) Click “코인 게시판” button and go back to the coin bulletin board.

> Delete

Click on the title of the post.

Click “글 삭제” button.

Complete delete action.

+) Click “코인 게시판” button and go back to the coin bulletin board.

[4] Interface and database changes due to transactions between users

Posts on the coin trading board will automatically be deleted once the coin transaction is completed.

Once the coin transaction is completed, the balance and number of coins in the account of both the author and the user who buys the coin will be updated.

**7) How to deposit and withdraw money from an account**

Click “계좌” button in navbar.

[1] Deposit

Enter the desired amount and click the Insert into Account button.

Send message “성공적으로 들어갔습니다.”

Deposit as much as you enter into your account.

[2] Withdrawal

Enter the desired amount and click “계좌에서 빼기” button

Withdrawal as much as you enter from your account

\* When subtracting the amount, if the balance you have is less than the amount subtracted, the message “잔액이 부족합니다." will be printed.

+) Click “홈으로 가기” button to move to the first screen.

Framework: flask, mongodb, html,css,javascript

Github : https://github.com/jebomin/Software\_team\_project.git

Youtube : https://youtu.be/ipkwQ4yJqyU