Project Step 3

Our initial specifications were having only the account table, and we were able to make operations on it. For instance, we could insert, delete and select accounts based on parameters (ie. age).

Now, we are able to make operations on every entity in the project. Here are the entities we have in our project:

- 1) All_accounts
- 2) Free_account
- 3) Premium account
- 4) Admin_account
- 5) App
- 6) Owner
- 7) Organizations
- 8) Non-profit_organization
- 9) Profit_organization
- 10) Post
- 11) Story
- 12) Profile

As it can be seen, there is an all_accounts table. We made this because while creating our database, we could not reference 2 or more tables to create another table. Thus, we asked Cemal Hoca what we could do, and he said that we should create another table that keeps all the account information and create other tables that reference them.

We added operations for all the entities. Here is our panel:



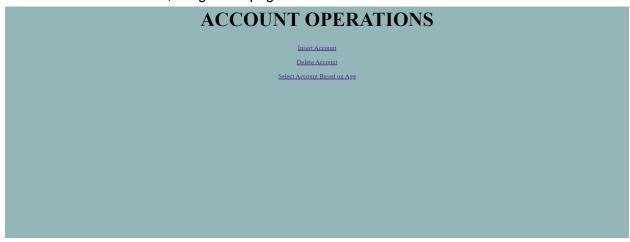
In this panel, we can make operations on each entity.

Account Operations:

The initial database for all_accounts:



When we click on the link, we get this page:



Here we can select either insert, delete or select.

Insert:

| INSERT |
|--------------------------------|
| |
| Account Username: dummyAccount |
| Account Nickname: dumdum |
| Account Password: 112233 |
| Account Age: 12 |
| Submit |
| |
| |
| |
| |

When we fill in the necessary information, we can insert a new account into the database. (This was the thing we did in step 2 of the project).

The result from the database:



Delete:

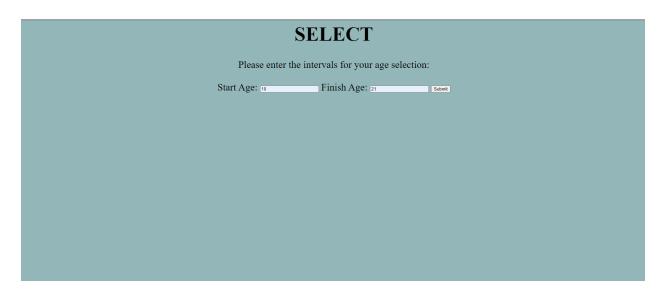


Here we can select an account to delete from the database:

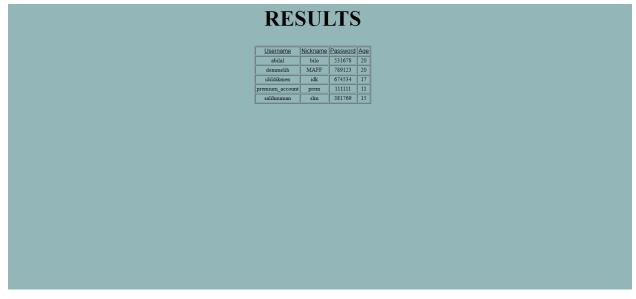


As it can be seen, the user "yasuobiwan" is deleted from the database.

Select:



Here, we can select accounts based on their ages. Here is the corresponding result:



Free_account Operations:

When we click on the link, we get this page:



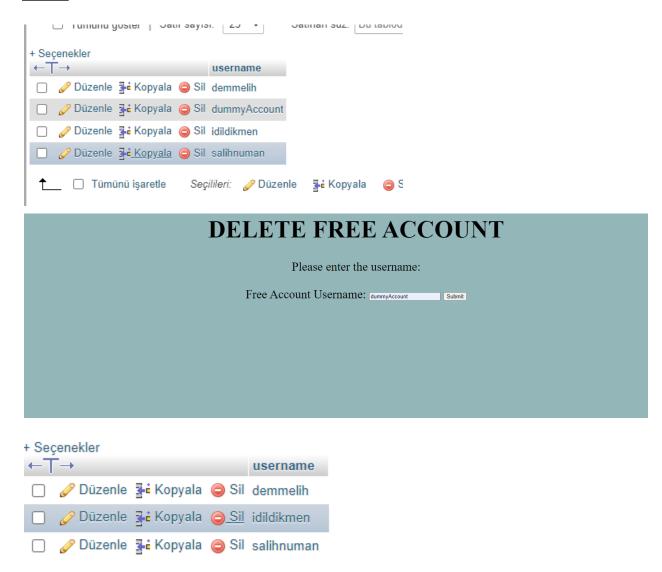
Here we can select either insert, delete or select.

Insert:



As it can be thought, you cannot add a free account if there is no account that matches that username. When an account is created it automatically creates a free account by that username.

Delete:



Seçilileri: 🥜 Düzenle 👫 Kopyala 🧅 Sil 📱

As it can be seen the dummyAccount is deleted.

Tümünü işaretle

Select:

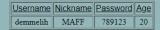
SELECT FREE ACCOUNT

Please enter the free account username:

Username: demmelih

Results:

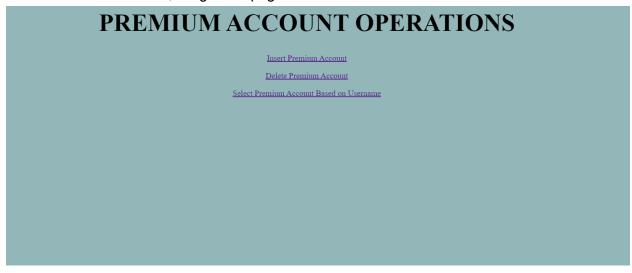
RESULTS



| If we enter a name that is not in the free_account table: |
|-----------------------------------------------------------|
| SELECT FREE ACCOUNT |
| |
| |
| Please enter the free account username: |
| Username: abilal |
| Submit |
| |
| |
| |
| |
| It gives the message: |
| RESULTS |
| There is no free account by that username. |
| |
| |
| |
| |
| |
| |

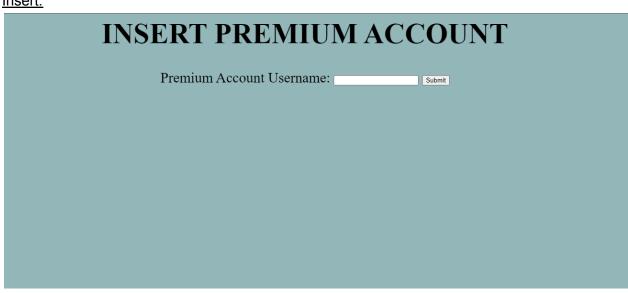
Premium account Operations:

When we click on the link, we get this page:



Here we can select either insert, delete or select. It is all the same as free_account operations except giving the message when a user from another table is being tried to be selected "There is no premium account by that username".

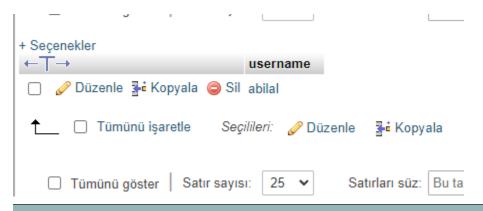
Insert:



Delete:

Please enter the username: Premium Account Username: Submit

Select:



SELECT PREMIUM ACCOUNT

Please enter the premium account username:

Username: demmelih Submit

RESULTS

There is no premium account by that username.

Admin_account Operations:

When we click on the link, we get this page:

| ADMIN ACCOUNT OPERATIO | NS |
|----------------------------------------|----|
| Insert Admin Account | |
| Delete Admin Account | |
| Select Admin Account Based on username | |
| | |
| | |
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| | |

Here we can select either insert, delete or select. It is all the same as free_account operations except giving the message when a user from another table is being tried to be selected "There is no admin account by that username".

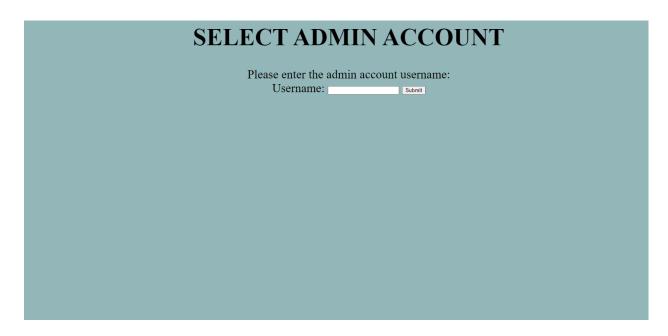
Insert:

| mocrt. | | |
|--------|-------------------------|--|
| | INSERT ADMIN ACCOUNT | |
| | Admin Account Username: | |
| | Submit | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Delete:



Select:



App Operations:

When we click on the link, we get this page:



Here we can select either insert, delete or select.

Insert:



Initial table is:



After adding CS 303 App:



Delete:

Let's delete CS 303 APP:

| DELETE APP |
|-------------------------|
| Please enter the appid: |
| Appid: 27896 Submit |

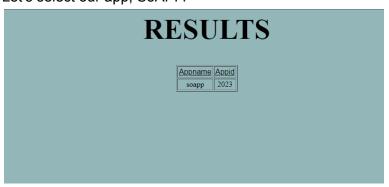
After deletion:



Select:



Let's select our app, SoAPP.



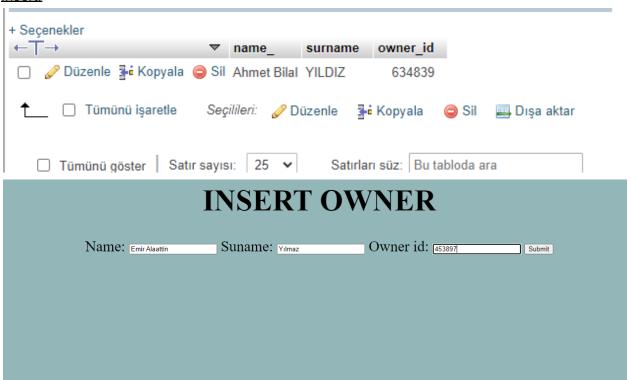
Owner Operations:

When we click on the link, we get this page:



Here we can select either insert, delete or select.

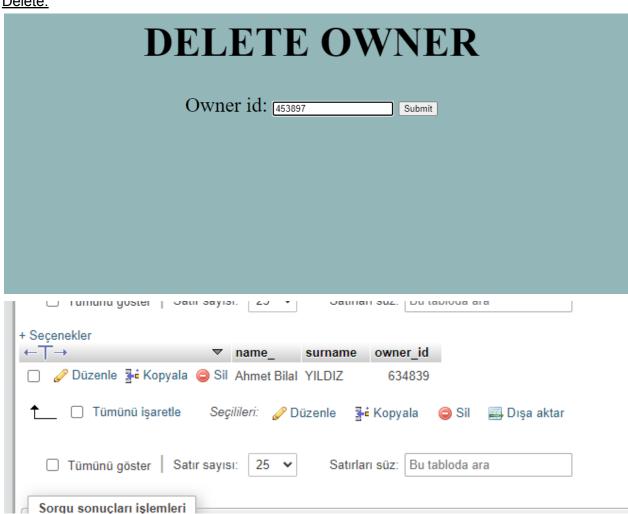
Insert:



After insertion:



Delete:



Select:

SELECT OWNER

Owner id: 634839 Submit

When pressed Submit:

RESULTS

| Name | Surname | Owner ID | |
| Ahmet Bilal | YILDIZ | 634839 |

Organizations Operations:

When we click on the link, we get this page:



Here we can select either insert, delete or select.

Insert:



INSERT ORGANIZATION Organization Name: Mercedes Organization Addres: Germany Submit + Seçenekler ▼ company_name adress Washington DC **USA Texas** Ø Düzenle ¾ Kopyala ⑤ Sil Mercedes Germany □ Ø Düzenle ♣ Kopyala ⑤ Sil MSI Taiwan Ø Düzenle 3 Kopyala Sil Redbull Austria Linz Düzenle 3 Kopyala Sil Senora Fatih ☐ Tümünü işaretle Seçilileri: Düzenle **₃**₌ Kopyala Sil A Dışa a

Delete:

DELETE ORGANIZATION

Please enter the company name:

Company name: Mercedes Submit



As it can be seen, Mercedes company is deleted from the database.

Select:



The Result is:



Non-profit_organizations Operations:

When we click on the link, we get this page:

NON-PROFIT ORGANIZATION OPERATIONS

Insert Non-Profit Organization

Delete Non-Profit Organization

Select Non-Profit Organization Based on Organization Name

Here we can select either insert, delete or select.

Insert:

| INSERT NON-PROFIT ORGANIZATION | |
|--------------------------------------------|--|
| Organization Name: Supporters: Supporters: | |
| Delete: | |
| DELETE NON-PROFIT ORGANIZATION | |

Please enter the company name:

Company name: Submit

Select:

SELECT NON-PROFIT ORGANIZATION

Please enter the company name:

Company name: TEMA Submit

Results:

RESULTS

| Company Name | Adress | Supporters |
|--------------|----------|------------|
| TEMA | Istanbul | People |

Profit_organizations Operations:

When we click on the link, we get this page:

PROFIT ORGANIZATION OPERATIONS

Insert Profit Organization

Delete Profit Organization

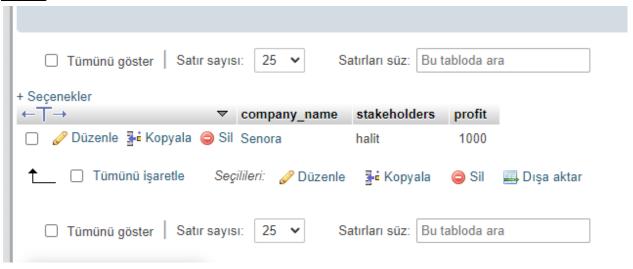
Select Profit Organization Based on Organization Name

Here we can select either insert, delete or select.

Insert:

| | INSERT PI | ROFIT ORGA | ANIZATIO | N |
|----------------|--------------------|---------------|----------|--------|
| O: | rganization Name: | StakeHolders: | Profit: | Submit |
| | | | | |
| | | | | |
| <u>Delete:</u> | | | | |
| | INSERT P | PROFIT ORGA | ANIZATIO | N |
| | Organization Name: | StakeHolders: | Profit: | Submit |
| | | | | |
| | | | | |

Select:



SELECT PROFIT ORGANIZATION

Please enter the company name:

Company name: Senora Submit

RESULTS

| Company Name | <u>Adress</u> | Stakeholder | Profit |
|--------------|---------------|-------------|--------|
| Senora | Fatih | halit | 1000 |

Post Operations:

When we click on the link, we get this page:

POST OPERATIONS

Insert Post

Delete Post

Select Post Based on Post ID

Here we can select either insert, delete or select.

Insert:



Initial table.

Now let's insert a post into the table:

INSERT POST Post id: 67453 Text: cs 303 Time: 2022-06-04 13:55:00 Submit



Select:

SELECT POST

Please enter the post id:

Post id: 348764 Submit

Result is:

RESULTS

| Post ID | <u>Text</u> | <u>Time</u> |
|---------|-------------------|---------------------|
| 348764 | Cookie MONSTER!!! | 2022-05-26 00:00:00 |

Story Operations:

When we click on the link, we get this page:

STORY OPERATIONS

Insert Story

Delete Story

Select Story Based on Story ID

Here we can select either insert, delete or select. The logic is the same as the Post operations. <u>Insert:</u>

Story ID: Text: Time: submit

Delete:

DELETE STORY

Please enter the story id:
Story id:
Submit

Select:

SELECT STORY

Please enter the story id:

Story id: 1234 Submi

Results:

RESULTS

| Story ID | <u>Text</u> | <u>Time</u> |
|----------|------------------------------------|---------------------|
| 1234 | Welcome to great database homework | 2022-06-03 00:00:00 |

Profile Operations:

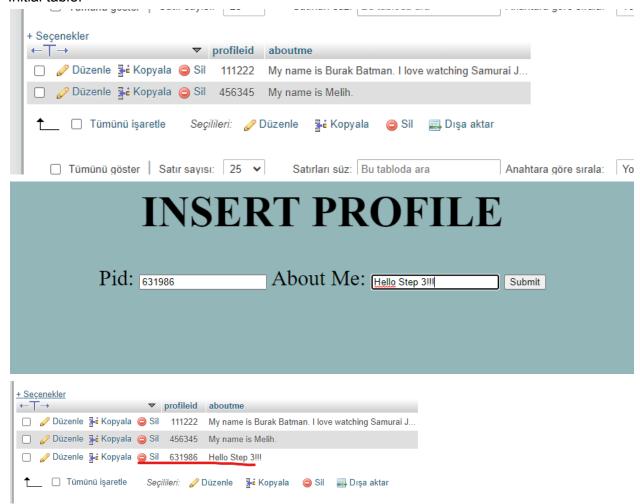
When we click on the link, we get this page:



Here we can select either insert, delete or select.

Insert:

Initial table:



Delete:

DELETE PROFILE

Please enter the profile id:
Pid: Submit

Select:

SELECT PROFILE

Please enter the profile id:

Pid: 111222 Submit

Result:

RESULTS

| Profile ID | About Me |
|------------|--------------------------------------------------------|
| 111222 | My name is Burak Batman. I love watching Samurai Jack. |

Relations Used to Make the Project Functional

For the 3rd step, we implemented the following relations:

- 1) Login
- 2) Block
- 3) Follow
- 4) Advertise
- 5) Take Ads From

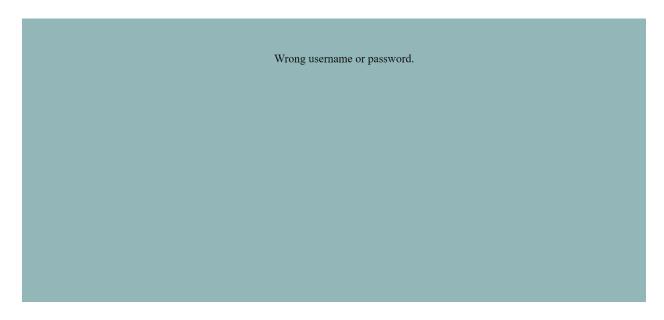
Login:



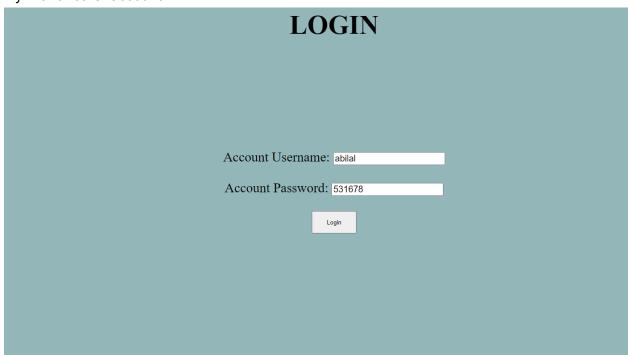
After clicking the Login button on the right side of the page, we go to this page:



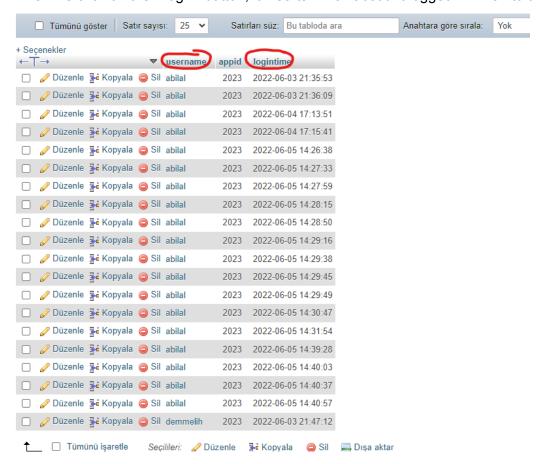
If the given information is not true, then it gives the message:



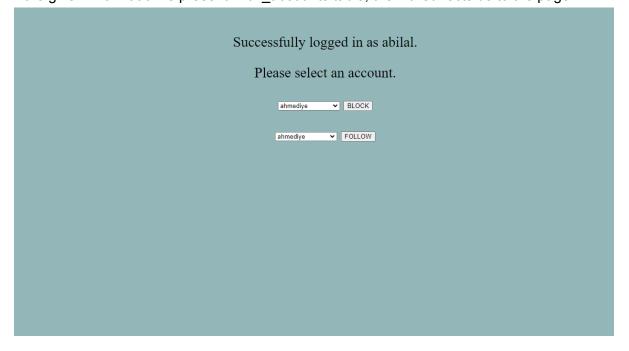
Try with another account:



When we click on the "Login" button, it inserts which account logged in when to the login table:



If the given information is present in all accounts table, then it redirects us to the page:

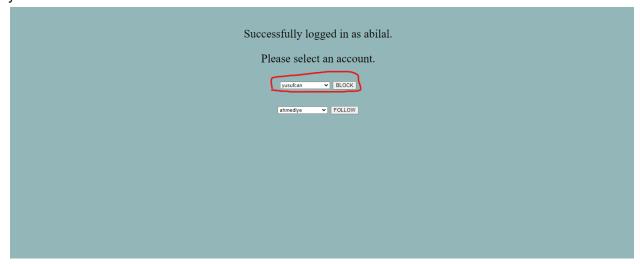


Block:

As you remember, we were logged in as abilal.



Here is the initial block table. Abilal has already blocked ahmediye and salihnuman. Let's block yusufcan.



When we press on the "Block" button, we see the message:



Now let's check the table:

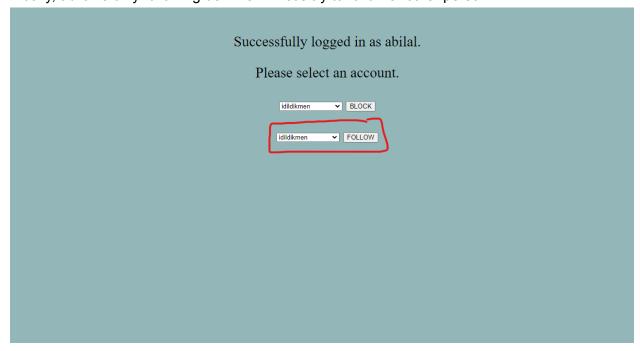


As it can be seen, it is automatically added to the database.

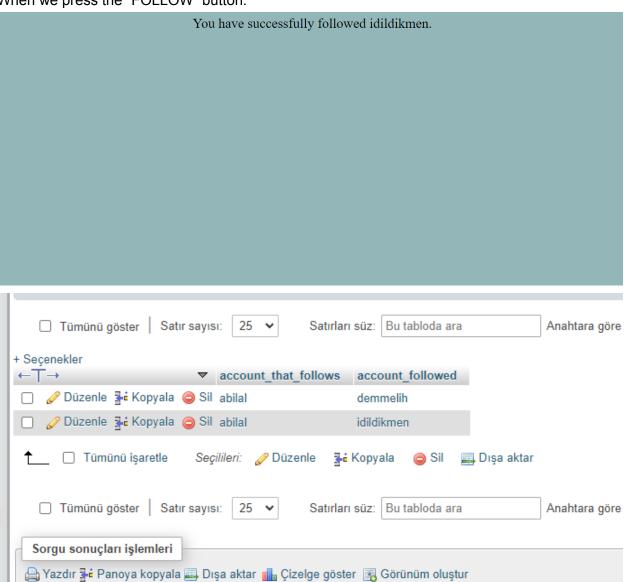
Follow:



Initially, abilal is only following demmelih. Let's try to follow another person:

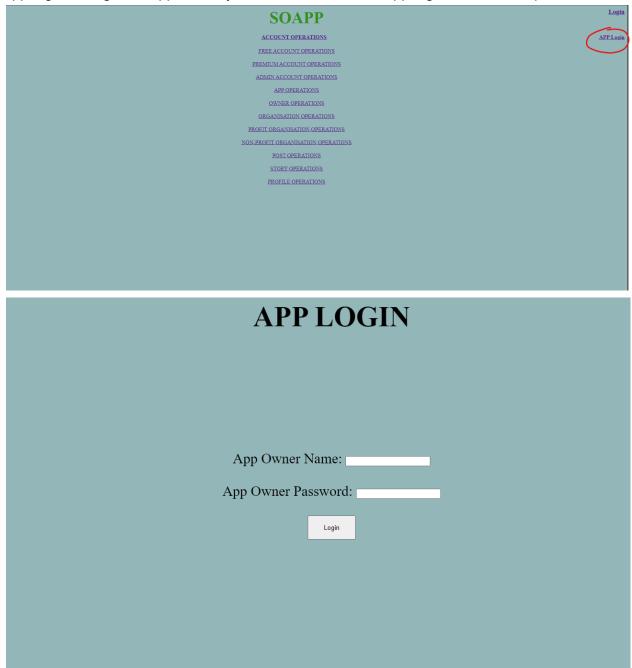


When we press the "FOLLOW" button:

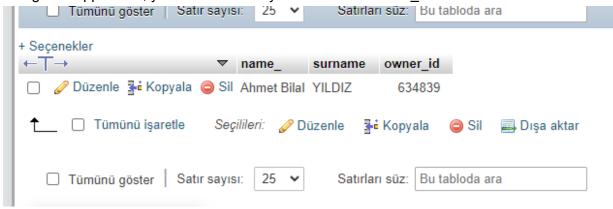


Advertise:

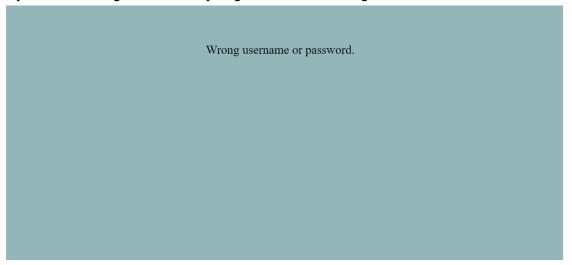
To advertise accounts, we need to be app owners. Thus, we created another login called appLogin. To log in as app owner, you need to click on the AppLogin button in the panel:



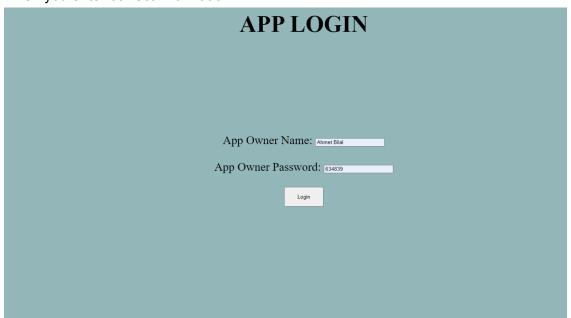
To login as app owner, you need to enter your name and owner_id:



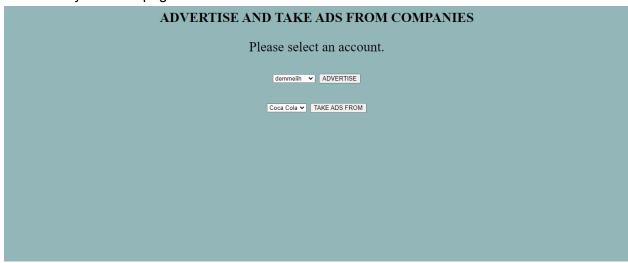
If you enter wrong information, you get the error message:



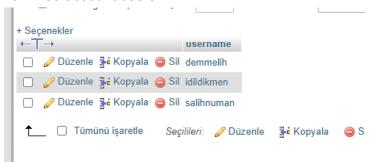
When you enter correct information:

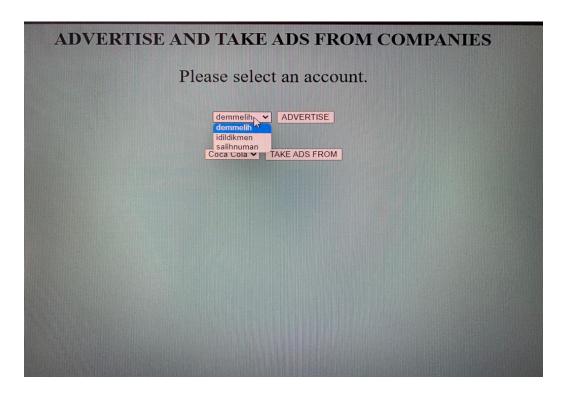


It redirects you to the page:



Here you can choose which user you want to advertise to. Remember that you can only choose from free account users.





username appid

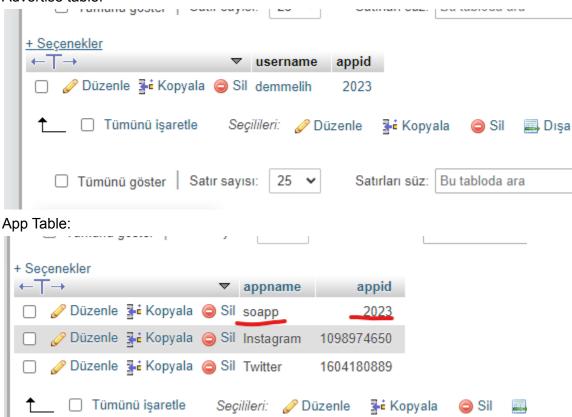
Sorgu sonuçları işlemleri

Initially the "advertise" table is empty. Let's advertise demmelih:

You have successfully advertised the account demmelih.

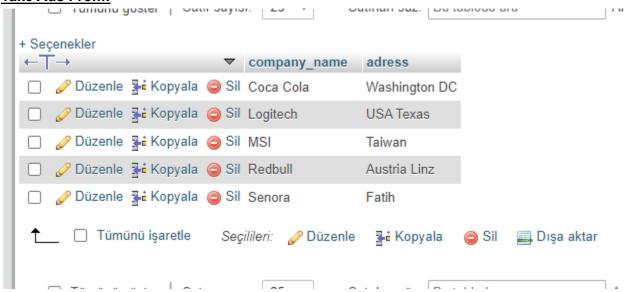
demmelih will see advertisements in the SoAPP from now on.

Advertise table:



That is why we see appid as 2023 all the time.

Take Ads From:



Here is our organizations table. And we want to take ads from them. We can choose from the companies.

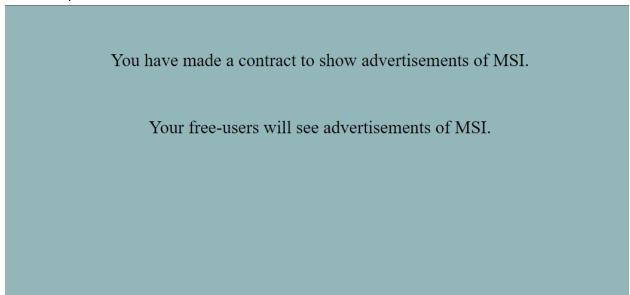
Initial take_ads_from table:



Let's choose another company to take ads from:



When we press "TAKE ADS FROM":



And the table updates itself to:

