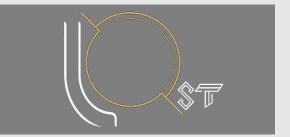


Ministry of Education Umm Al-Qura University Computer and Information System College Computer

#### Software Engineering



# UQU Lost and found

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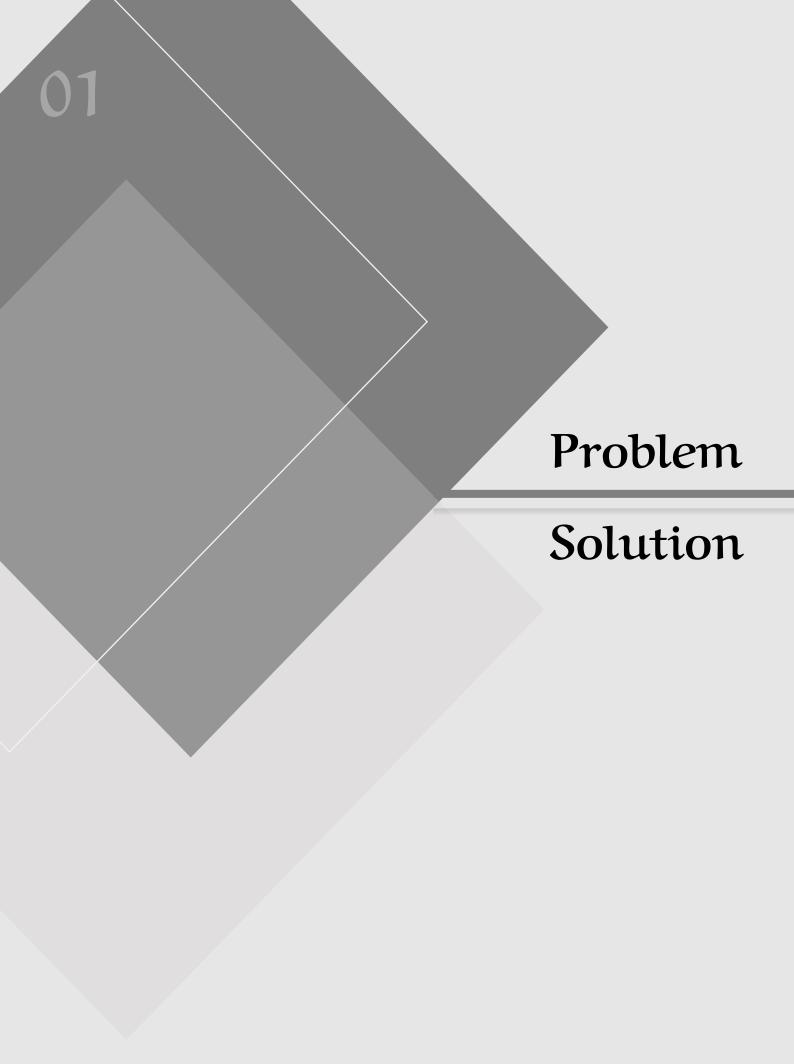
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# The Problem:

This is a problem that we students of Umm Al-Qura University suffer from when someone loses something for her or forgets something important to her and goes back to look for it, but she does not find it! She does not know where to go and look for it, so she has to search for it on her own, sends a message that includes the missing thing and her phone number, and sometimes attaches a picture to WhatsApp groups, some read it without interest and some may not see the message because of the many messages, and it is also possible to hang a sheet with the information of the lost thing If you find it, you put it in the (lost and missing) section of the elevators or inside them. And if we suppose that someone took the lost thing and put it in the (lost) department that we have at the university, someone might come and say this thing belongs to me and he is not his! How can the security women know who this is about? This is considered theft and fraud, or it may go to them who lost what belongs to her and did not find it with them, and also it is possible that she may not find it at all, neither at the lost property nor in the place where she lost it. We decided to solve this problem by creating a special website for the missing and discovered. This solution will be very useful for university students.

# Solution:

First of all, I will separate the solution into two parts, part for **Finder** and the other part for **Searcher**. to be easily readable and understandable.

#### Finder:

- 1- she will be going to the website
- 2-sign in by her university email and the password
- 3-there will be a button to create announcement, she will push it.
- 4- it will be open an announcement page made up of categories list, buildings list, and space for a note, All of them are mandatory to fills.
- 5-First, she will choose The category to which the lost thing belongs from the list of categories.
- 6-Second, choose the building where she found the lost thing from the buildings list.
- 7-Third, in the area of notes, write her name and mobile number to communicate with her and just mentioned the lost thing name that she found without details at all to avoid fraud and theft(e.g. color or model...etc).

8. Finally, press the save announcement button and it will be saved quickly on the website in two places (both of categories section and buildings section).

#### for example:

Amal found a red gemstone necklace in the B building so when she creates ads she will choose jewelry from the categories list then, building B from the buildings list. finally, in the note space, she will write (Amal abdullah Al-Qarni, 0509226440, necklace). JUST LIKE THIS.

9- if she communicates with Searcher and delivers her own thing then, she will delete her announcement from the website. if the announcement does not delete or she forgets, it will be deleted automatically after 30 days.

#### Searcher:

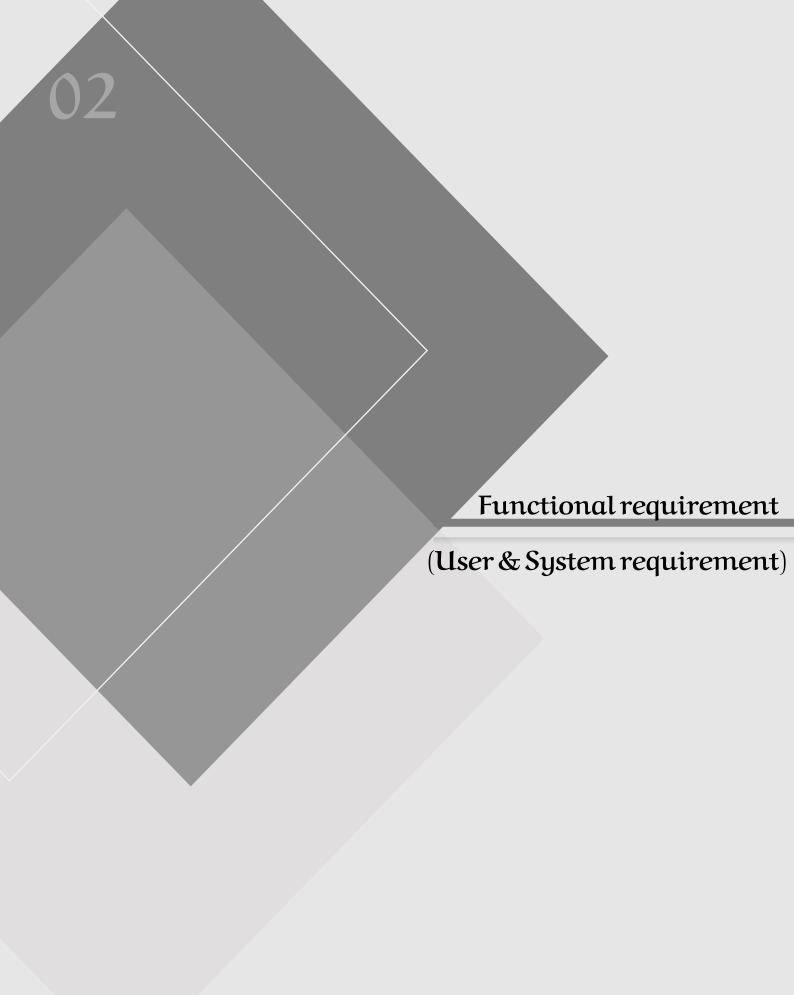
- 1-she will be going to the website
- 2-sign in by her university email and the password
- 3- She will choose either the categories section or the section of the building
- 4- and choose the category or building from which she has lost something.
- 5- and it will see all of the announcements on-page, then search for an ad about the own lost thing.
- 6- if find the announcement then, she will communicate with the announcement's writer.
- 7- if she does not find an announcement then, it will make one
- 8-she will be pressed a button to create announcement.
- 9-it will be open an announcement page made up of categories list, buildings list, and space for a note, All of them are mandatory to fills.
- 10-First, she will choose The category to which the lost thing belongs from the list of categories.
- 11-Second, choose the building where she lost the lost thing from the buildings list.

12-Third, in the area of notes, write her name and mobile number to communicate with her and mentioned the lost thing name that she lost with details (e.g. color or model...etc).

13-Finally, press the save announcement button and it will be saved quickly on the website in two places (both of categories section and buildings section).

#### for example:

Shahad lost a red gemstone necklace in the B building so when she creates ads she will choose jewelry from the categories list then, building B from the buildings list. finally, in the note space, she will write (Shahad Abdullah Al-Qarin, 0509226440, red gemstone necklace) LIKE THIS.



1.UQU Lost and Found site can create an account for searcher and finder.

- 1.1 When creating an account, you must enter your first and last name, university email, and password.
- 1.2 After creating the account, log in to UQU Lost and found to allow the user to select between the two types: searcher and finder.
- 1.3 When the email is not a university email, the system will not accept it.
- 1.4 After creating the account, a login is made, and the the home page users appear.
- 1.5 The system will save the user data in the database.
- 1.6 If the user does not want to create an account, he can enter the system as a visitor, but he cannot announce anything, he is only searching for the missing.
- 1.7 When entering as a visitor, the system will ask you to write a university email, first name, and last name.
- 1.8 The database does not store visitor information.

2. searcher and finder must use the system through their personal account.

- 2.1 The UQU lost and found system allows the student searcher and finder to log in using the university email and password provided that the university email begins with the letters.
- 2.2 The system checks the university email and password from the database.
- 2.3 The system opens the home page only if the university email and password are in the database.
- 2.4 The system sends an error message only if there is no university email and password in the database.

3. Searcher and founder creates an announcement in UQU lost and found site.

- 3.1 The system allows creating an announcement for searcher and founder.
- 3.2 After creating the announcement, the system allows the registerer to select the type of announcement searcher or founder.
- 3.3 The system allows the register to write announcement title.
- 3.4 The system allows the registerer to write a description of the announcement.
- 3.5 The system allow register to select section and building.
- 3.6 The system allow register to upload picture.
- 3.7 The system publishes the announcement.

4. Manager and finder can delete the announcement in UQU lost and found the site.

- 4.1 the system allows manager and finder to access their announcement which they wrote it and delete it.
- 4.2 After deleting the announcement, it won't appear on the announcements page
- 4.3 The announcement will also delete from the profile of the searcher or finder who added the announcement
- 4.4 if has passed more than 30 days since the announcement, it will be deleted automatically.

5. Searcher will communicate with Finder Or vice versa Depending on who created the announcement.

# System requirement:

5.1 After she finds the announcement, will communicate with the owner of the announcement.

6. if someone loses an item inside the university he can easily upload the image to the website

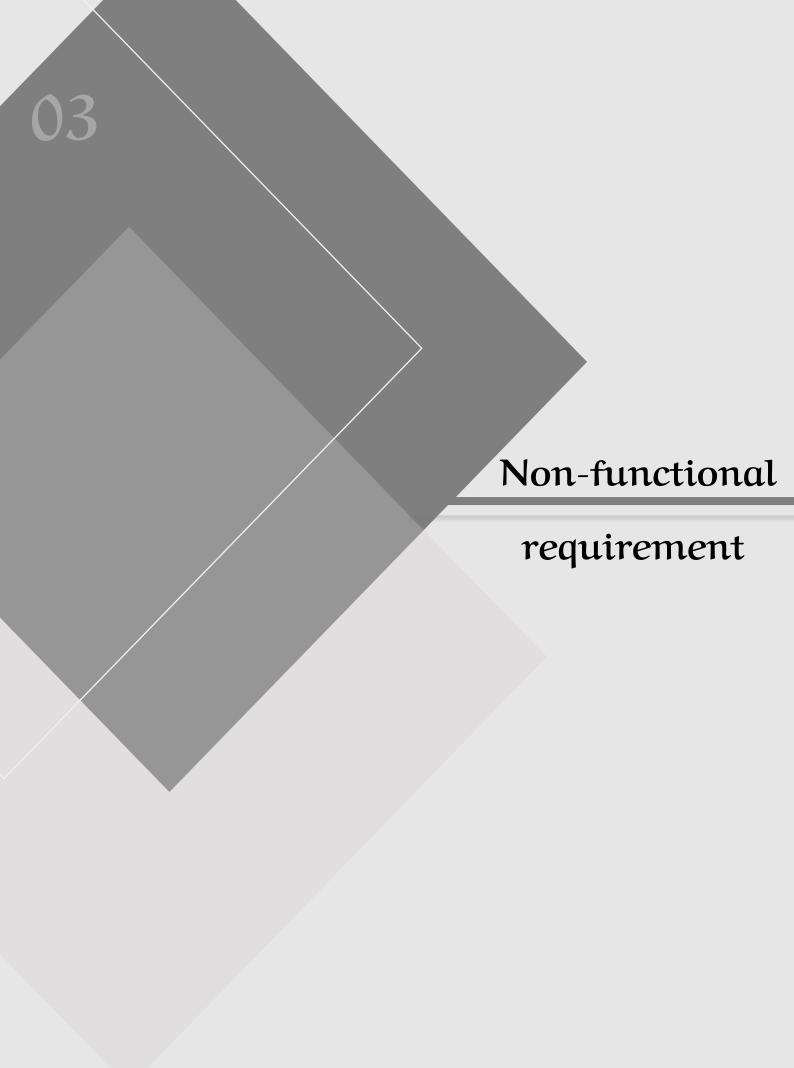
- 6.1 She chooses a photo
- 6.2 It should be in format jpg, Png, Gif, etc
- 6.3 The minimum size should be 1,500px and not more than 4,500px
- 6.4 Press send a photo.
- 6.5 Message: The file has been sent, or the file is not valid.
- 6.6 Save it to the database.

7. Organizing found an announcement in history

- 7.1 The system allows the user to view all missing history.
- 7.2The user can delete an announcement from history.
- 7.8 History missing stored in a database.

8. UQU Lost and Found site The searcher can send complaints to the manager

- 8.1 The system allows the searcher to send complaints.
- 8.2 The complaint contains a description of the complaint, the name of the searcher, and the name of the finder and sends it to the manager.
- 8.3 The system saved complaints in the database.
- 8.4 The system sends the complaint to the manager.
- 8.5 The system allows the manager to send a notice responding to complaints.



## 1. Accessibility:

1.1 Easy access to services

## 2. Availability:

2.1 The system should be available 24 hours.

## 3. Security:

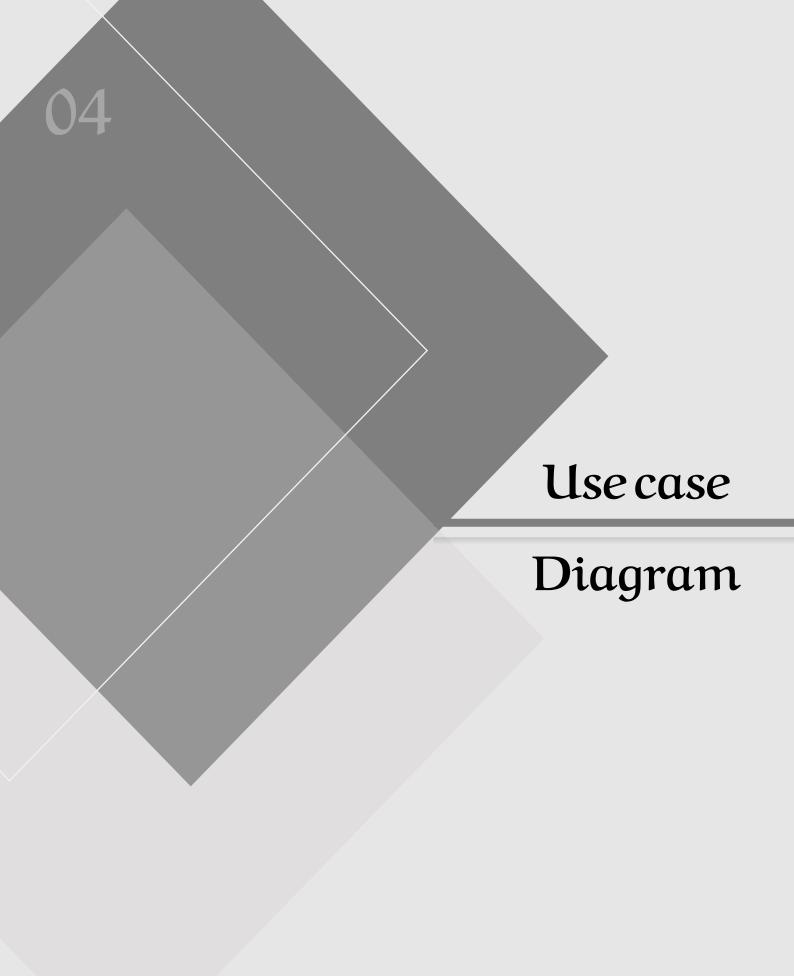
- 3.1 The system should have permission to information access control.
- 3.2 The user information will be secure.
- 3.3 Communication between the two parties will be secure.

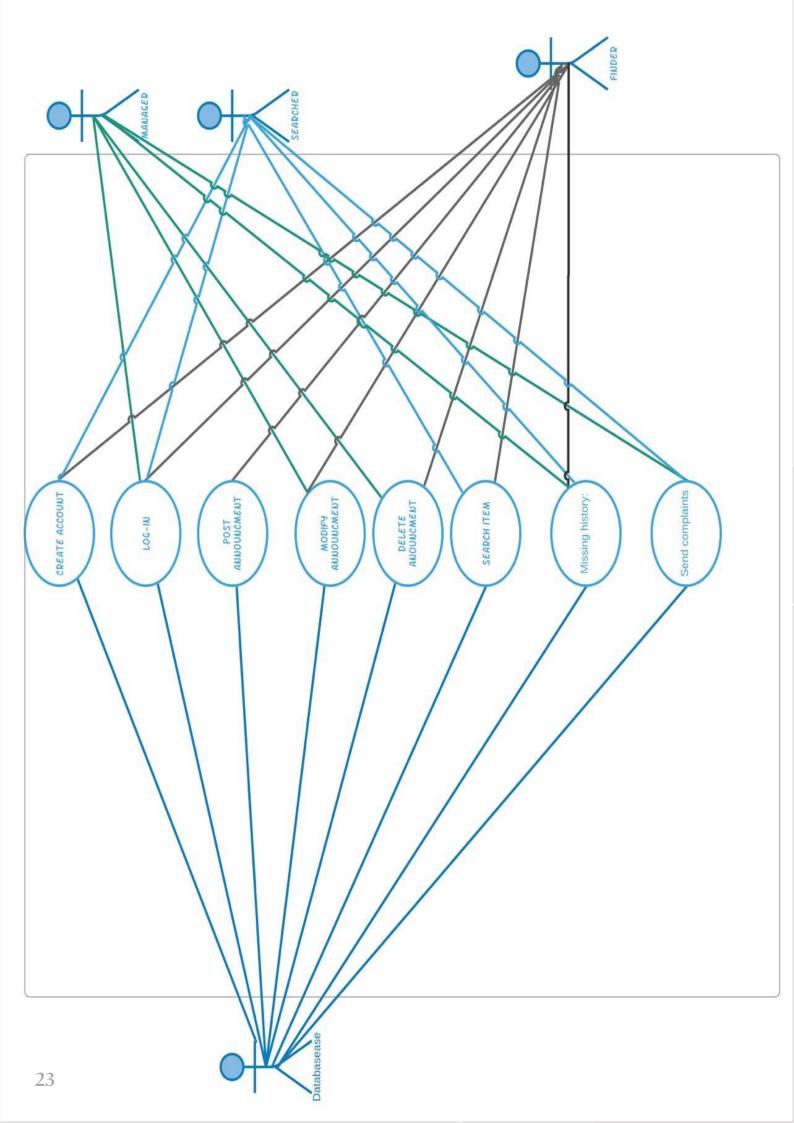
#### 4. Usability:

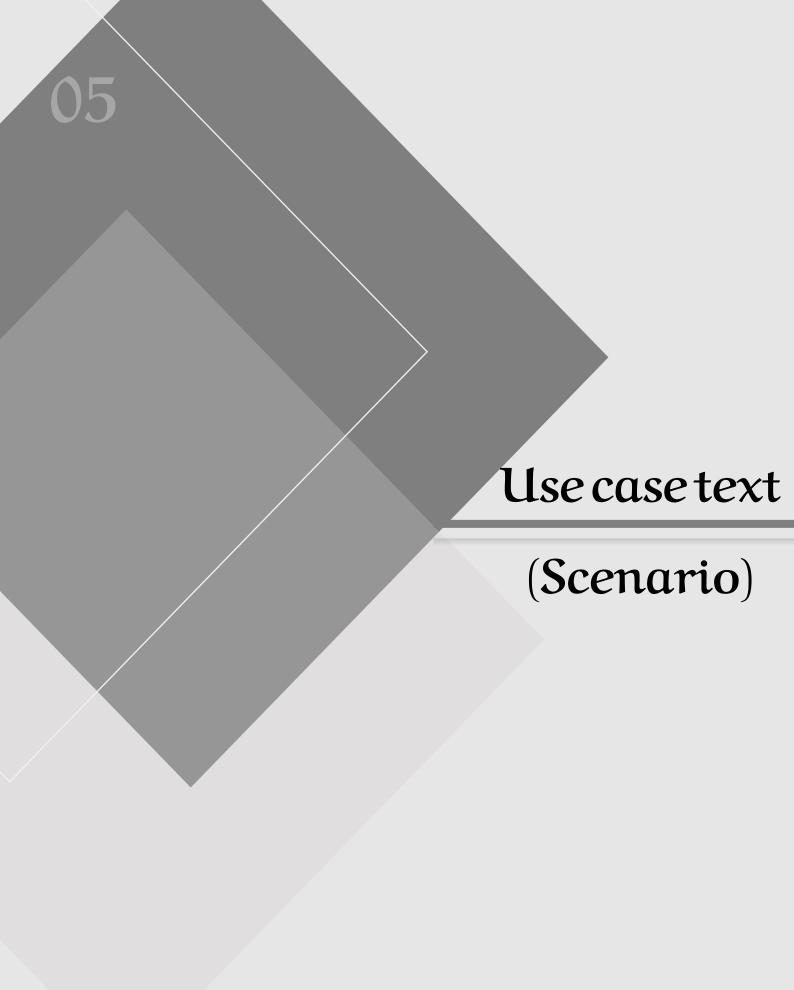
4.1 The system will send an email notification when the account is created.

# 5. Maintainability:

5.1 The system should be updated every month







	Create account
Actors	Searcher, Finder, Manager, database
	1.When creating an account, you must enter your first and last name, university email and a password.
	2. After creating the account, log in UQU Lost and found to allow the user to select between the two types: searcher and finder.
	3.When the email is not a university email, the system will not accept it.
Descriptions	4. After creating the account, a login is made, and the user's home page appears.
	5.The system will save the user data in the database.
	6.If the user does not want to create an account, he can enter the system as a visitor, but he cannot announce anything, he is only search for the missing.  7.When entering as a visitor, the system will ask you to write a university email, first name and last name.  8.The database does not store visitor information
	1.Management.
Data	2. Searcher information (first and last name, university email and a password).
	3. Finder information (first and last name, university email and a password).
Pre-condition	The account must be created with a university email only
Output	Create account for Searcher and Finder
Comments	Non

Log-in	
Actors	Searcher, Finder, Manager, database
Descriptions	1. The system allows Searcher, finder, and Finder to log-in by their university email and password.  2. The system check university email and password from the database  3. The system opens the home page only if the university email and password are present in the database.  4. The system sends message error only if the university email and password are not present in the database.
Data	Log-in information from users(university email and password.)
Pre-condition	create account
Output	Log-in to the home page
Comments	The system displays the home page depends on user type

Delete announcement	
Actors	Finder, Manager, database
	1. The system allows finder and managers to deleting the announcement from their accounts.
	2. finder and manager should log-in to deleting the announcement.
Descriptions	3. After logging-in, finder or manager must go to their profiles.
	4. finder or manager must choose the announcement option.
	5. finder or manager selects the required announcement, and click on the Delete button.
	6. finder or manager must press the Ok button to confirm the deletion.
Data	1. user information (university email and a password).
	2. Announcement (announcement time, data).
Pre-condition	Finder or manager must be logging-in
Output	Deleting the announcement
Comments	If nobody deleted the announcement, it will be
	deleted automatically after 30 days.

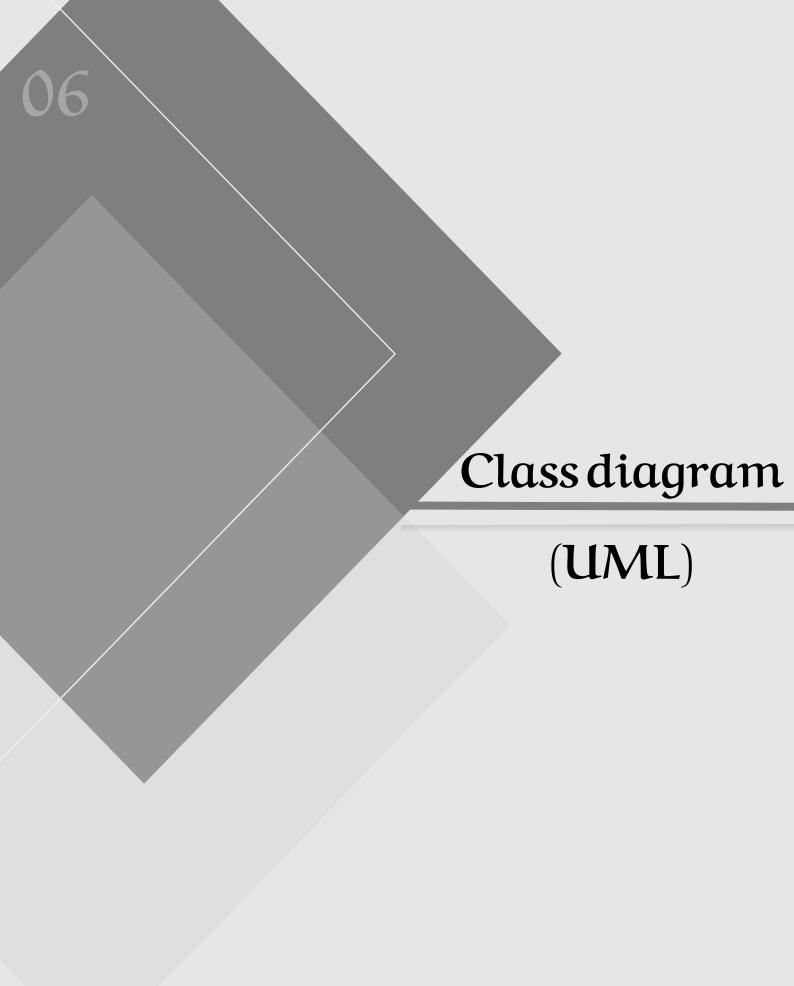
Modify announcement	
Actors	Manager, Finder, Database
Descriptions	<ol> <li>1. The system allows the manager and finder to modify and delete the announcement.</li> <li>2. manager and finder must log-in to their accounts.</li> <li>3. delete announcement it won't be appear on the announcement s page.</li> <li>4. modify announcement will appear on the page.</li> </ol>
Data	1.Management.  2.Finder information (first and last name, university email, and a password).
Pre-condition	finder or manager must be logging-in
Output	<ul><li>1.Delete the announcement.</li><li>2.Modify the announcement.</li></ul>
Comments	Non.

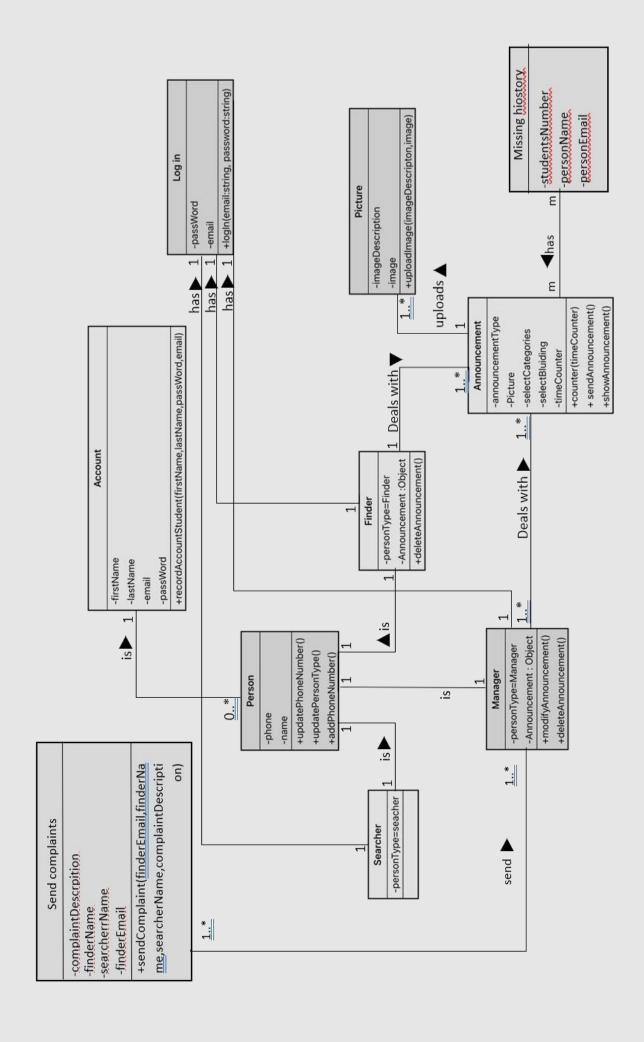
Search item (	
Actors	Searcher, Finder, Database
Descriptions	<ul><li>1.The system allow searcher, manager to search announcement.</li><li>2.write key search on text field.</li><li>3.select categories.</li><li>4.click on search.</li></ul>
Data	<ul><li>1.Management.</li><li>2. Announcement.</li></ul>
Pre-condition	finder or manager must be logging-in
Output	Announcement
Comments	Non.

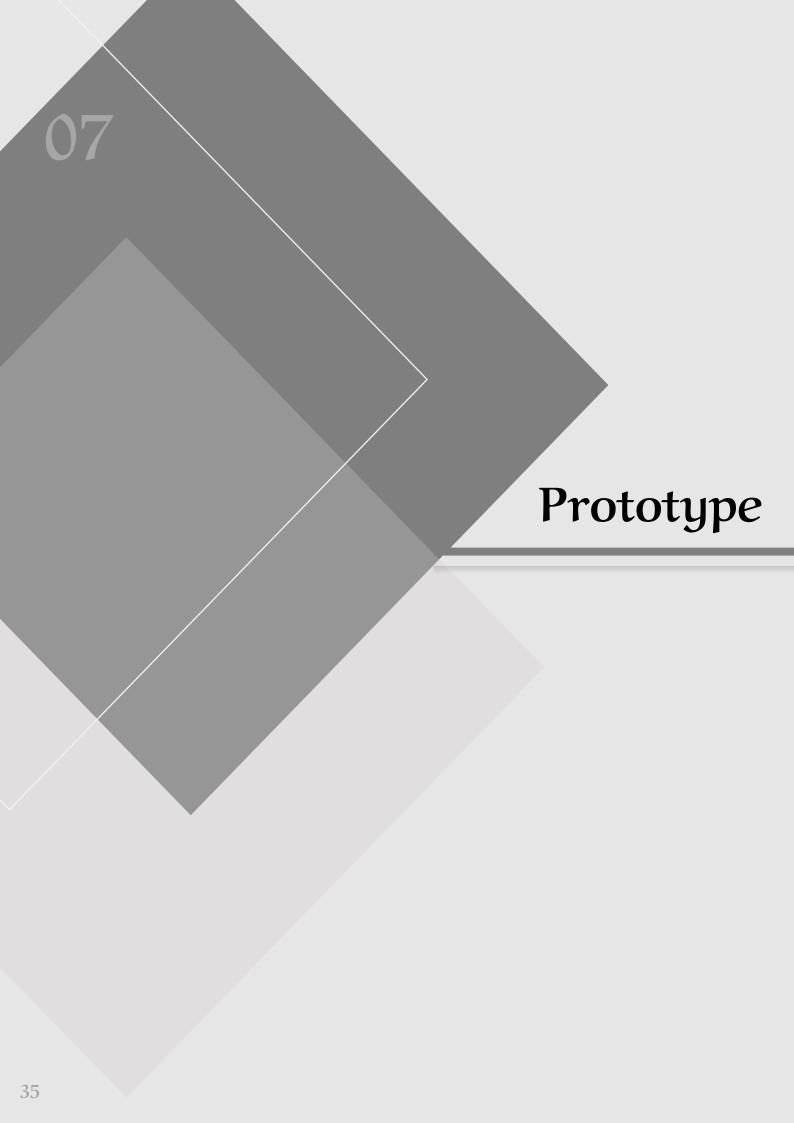
Post announcement	
Actors	Finder, Database
Descriptions	<ol> <li>She chooses a photo.</li> <li>It should be in format (jpg, Png, Gif, etc.), and The minimum size should be 1,500px and not more than 4,500px.</li> <li>Press send a photo.</li> <li>Message: The file has been sent, or the file is not valid.</li> <li>Save it to the database.</li> </ol>
Data	1.Management.  2.Finder information (first and last name, university email, a password, and announcement her).
Pre-condition	finder must be logging-in and write an announcement n
Output	upload a photo
Comments	Non.

Send complaints	
Actors	Searcher, Manager, database
Descriptions	<ol> <li>The system allows the searcher to send complaints.</li> <li>The complaint contains a description of the complaint, the name of the searcher and the name of the finder and send it to the manager.</li> <li>The system saved complaints in the database.</li> <li>The system sends the complaint to the manager.</li> <li>The system allows the manager to send a notice responding to complaints.</li> </ol>
Data	1.Complaint discerption (complaint description, finder name, searcher name.
Pre-condition	Non
Output	Response to complaints
Comments	Non.

Missinghistory	
Actors	Finder, Searcher, Manager, database
Descriptions	<ol> <li>The system allows the user to view all missing history.</li> <li>The user can delete an advertisement from the history.</li> </ol>
	3. History missing stored in the database.
Data	1. History missing (announcement type, announcement data, announcement time.
Pre-condition	Searcher, Manager, Finder must be logging- in
Output	History missing page
Comments	The system view missing history in page





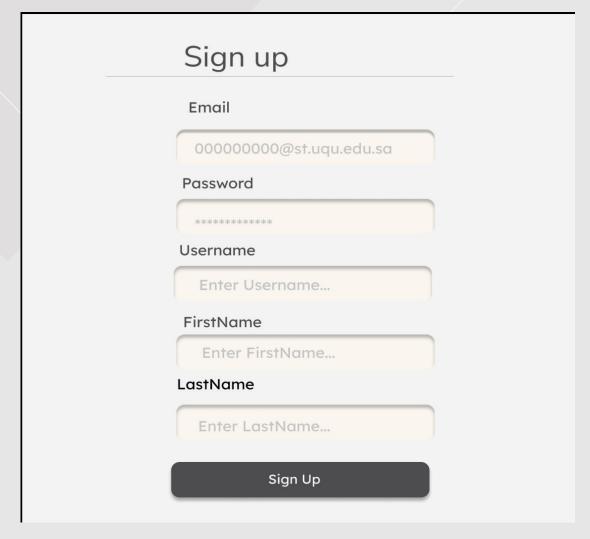


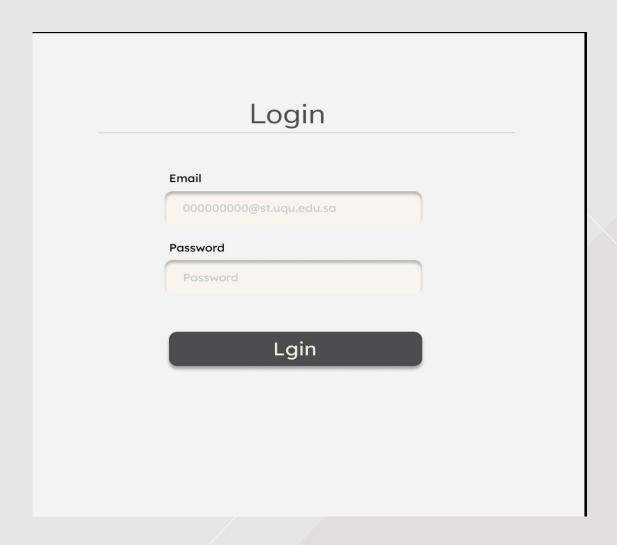
We use Figma to design our project

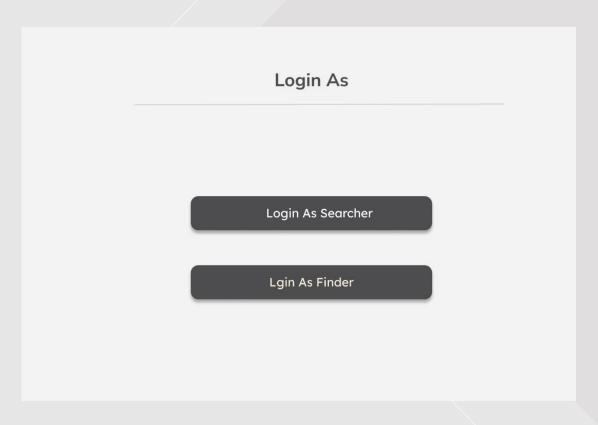
It easy to design and deal with it

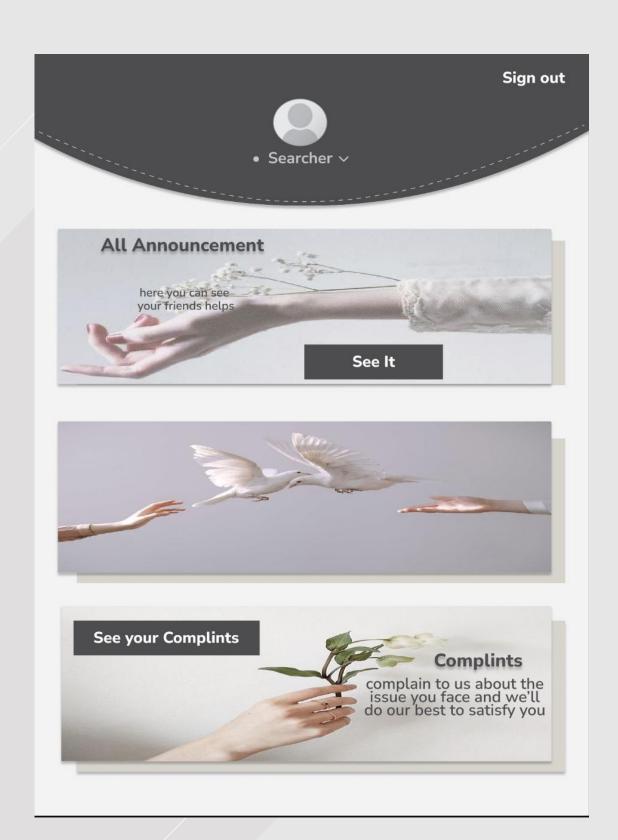
### Screenshot for all the interfaces

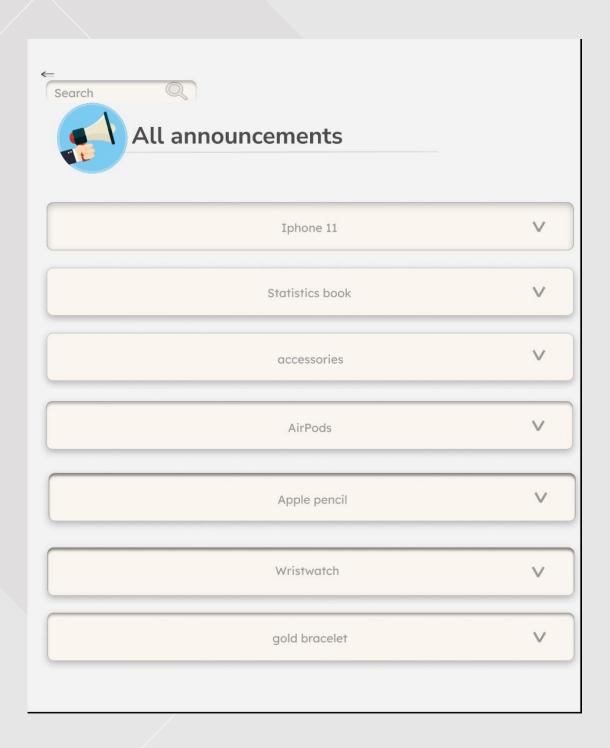


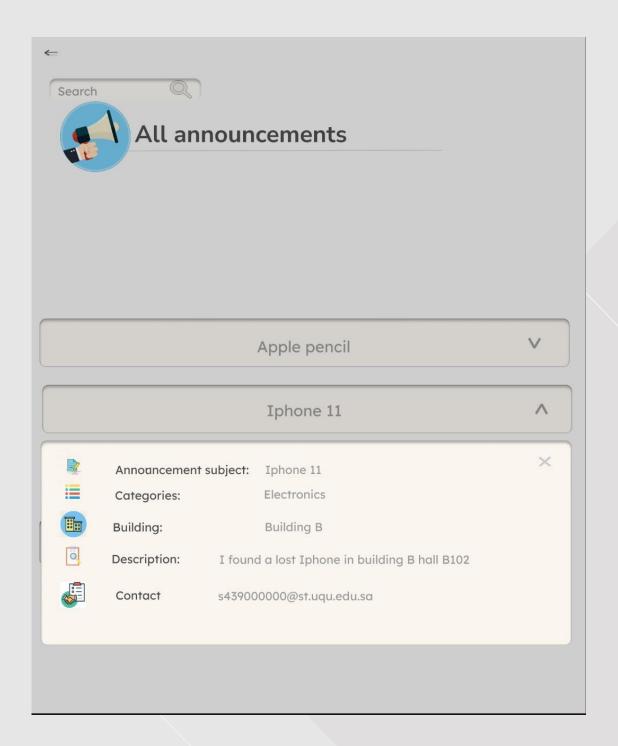


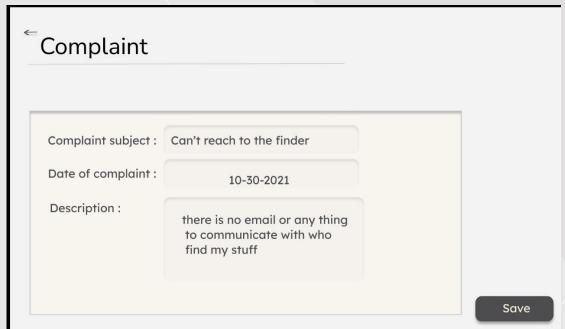














Complaint subject: Can't reach to the finder

Date of complaint: 10-30-2021

Description: thter is no email or any thing to

communicate with who find my stuff

Complaint status: Not yet resolved

Comments: Not yet answered

Complaint subject: want to change my number

Date of complaint: 9-10-2021

Description: let me change my new phone number

there is no way to change it

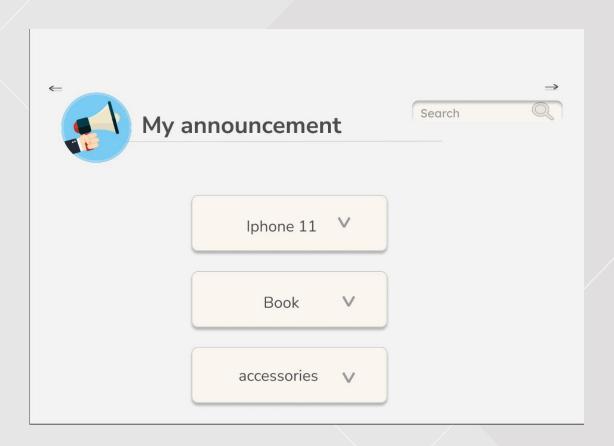
Complaint status: resolved

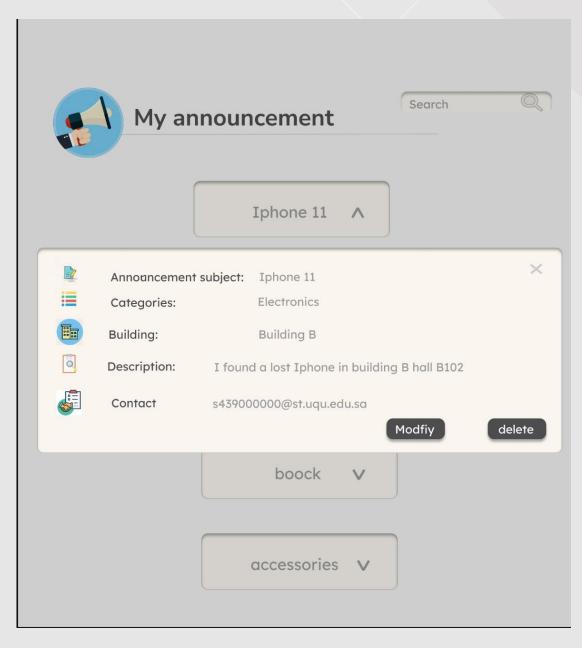
answred by manager : reem

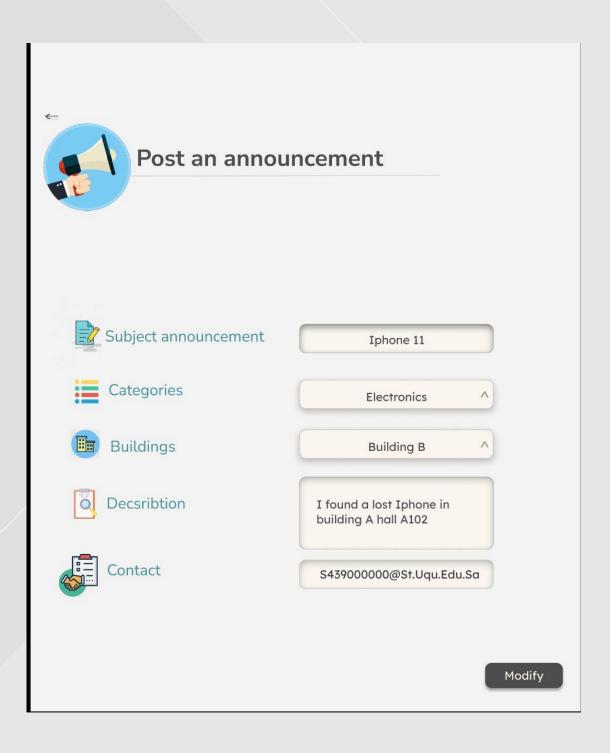
Comments: we designed new way to chaange

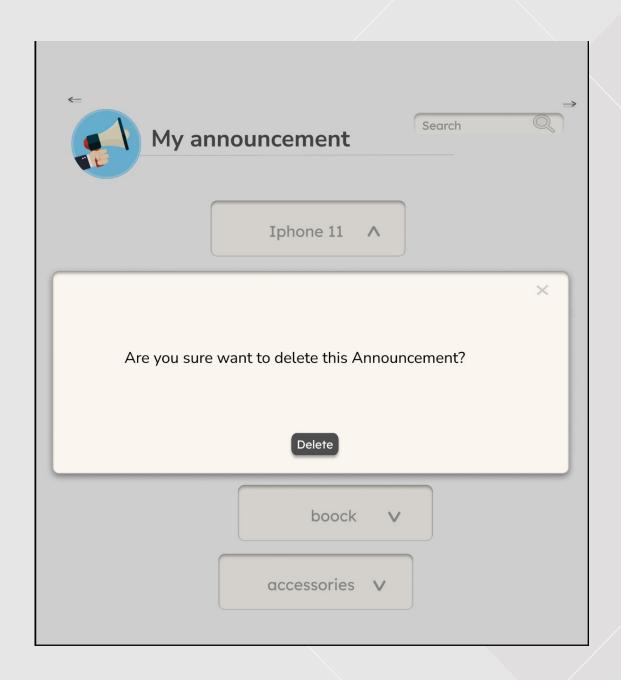
your phone number thank you.

Save









s439000000@st.uqu.edu.sa Complaint subject: Can't submit the announcement. Date of complaint: 10-12-2021 Description: it gives me an error when i'm trying to submit an announcement and i tried many times and did not reach to a solution Complaint status: Not yet resolved Comments: Not yet answered Complaint subject: Can't submit the announcement. Date of complaint : 9-7-2021

Description: it gives me an error when i'm trying

to submit an announcement and i tried many times and did not reach to

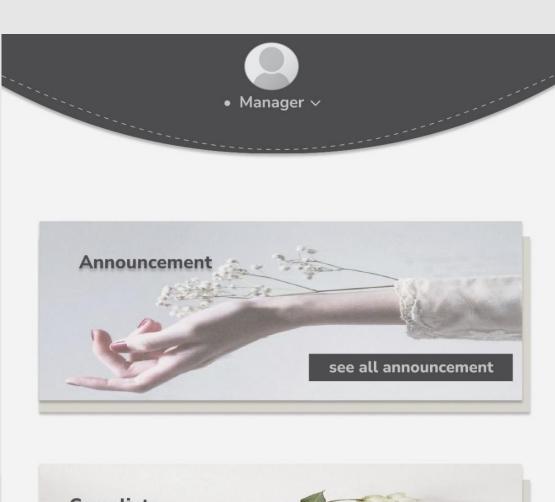
a solution

Complaint status: Not yet resolved

answred by manager : reem

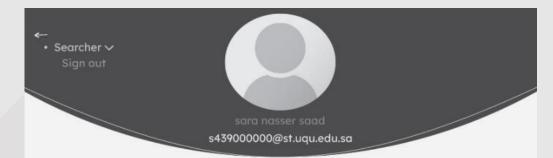
Comments: Not yet answered

Save









Complaint subject: Can't reach to the finder

Date of complaint: 10-30-2021

Description: thter is no email or any thing to

communicate with who find my stuff

Complaint status: Not yet resolved

Comments: Not yet answered

Complaint subject: want to change my number

Date of complaint: 9-10-2021

Description: let me change my new phone number

there is no way to change it

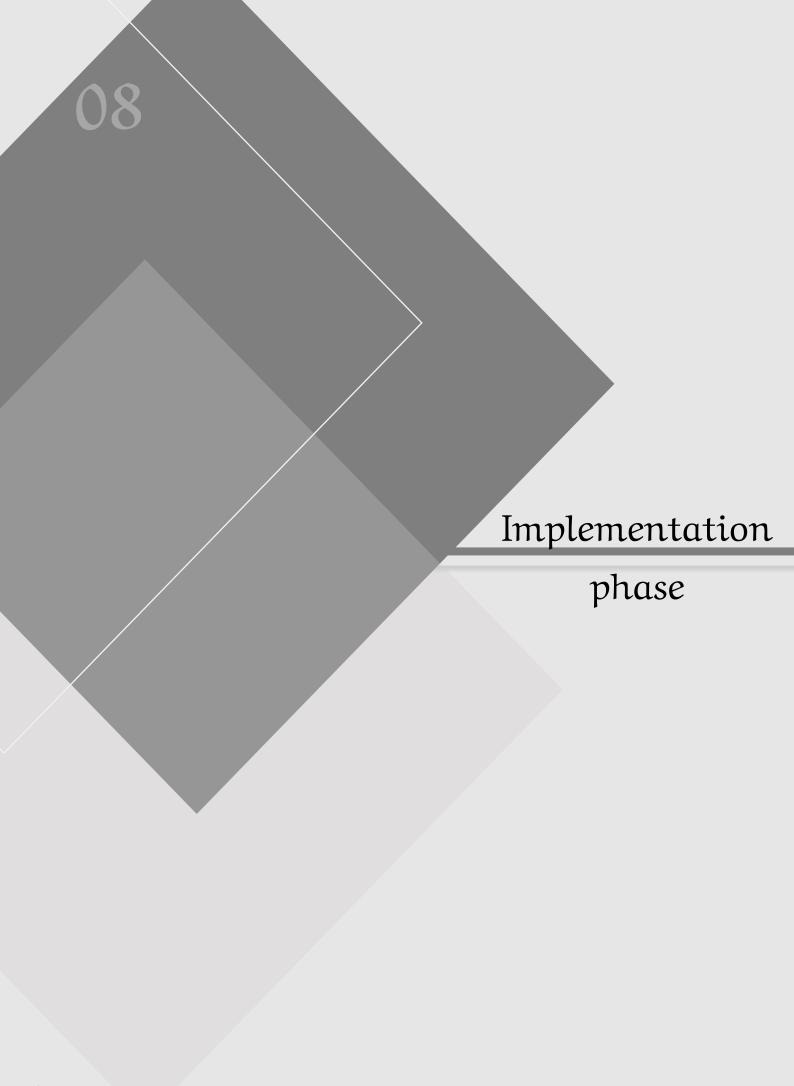
Complaint status: resolved

answred by manager : reem

Comments: we designed new way to chaange

your phone number thank you.

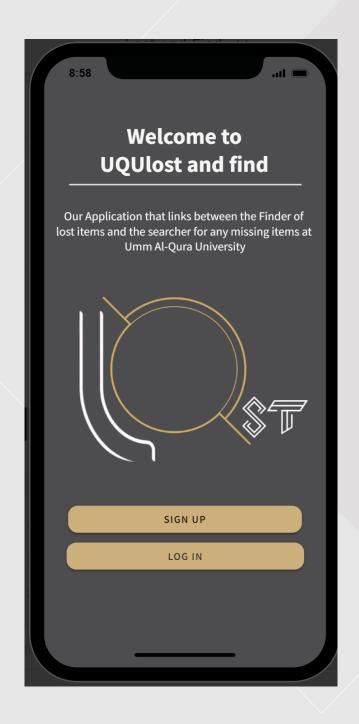
Save

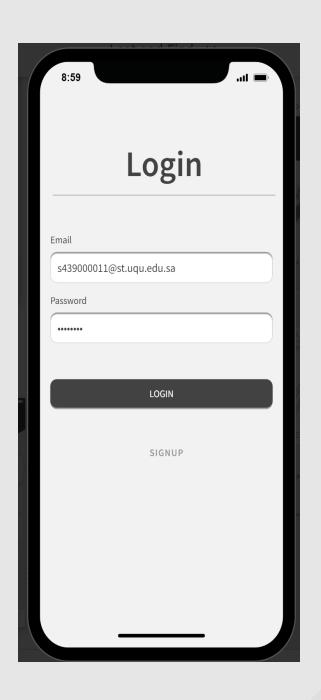


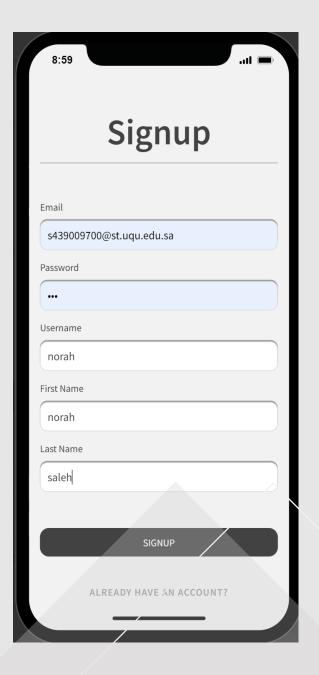
We use Adalo to implementation our project

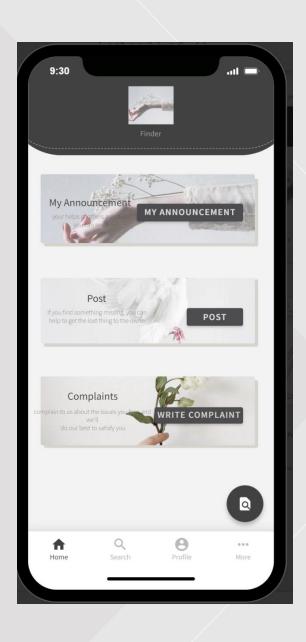
It was the easiest way to deal with the tools we tried, and there were a lot of tutorials on YouTube, which helped us. And helping each other (other groups) as there are some requirements similar to the idea of implementing them.

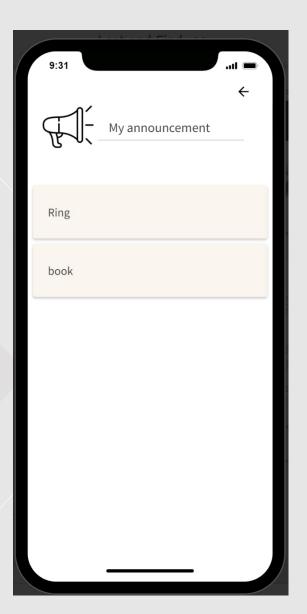
## full version of the final system



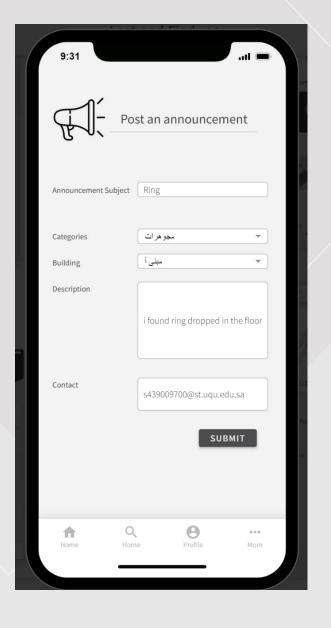


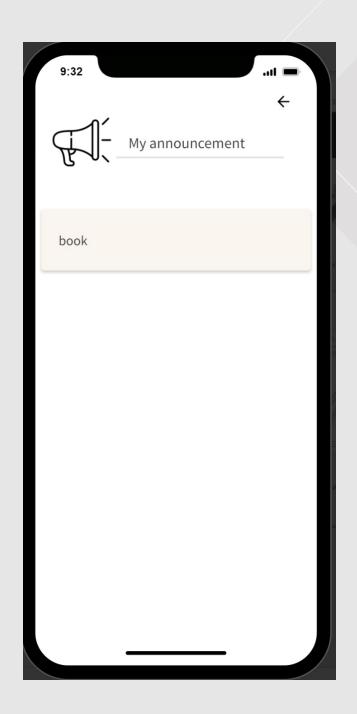


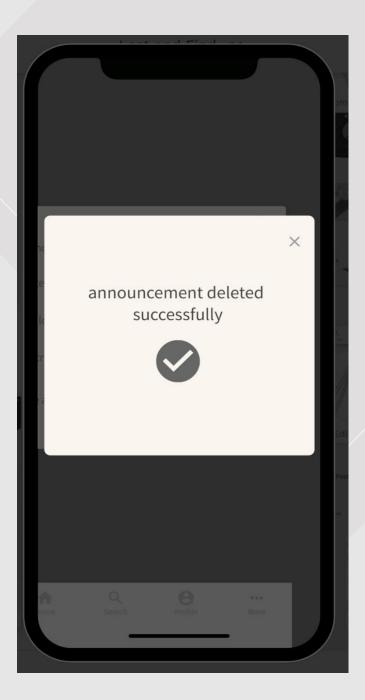


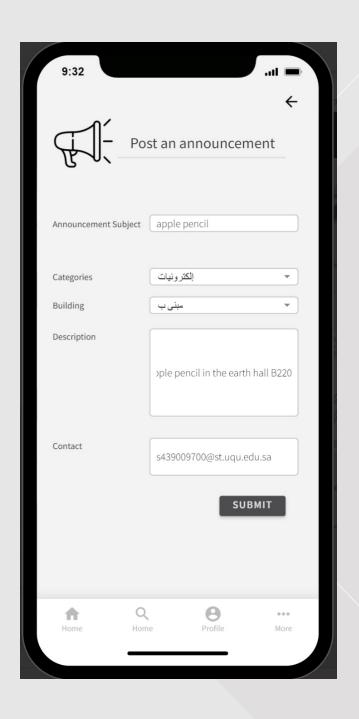


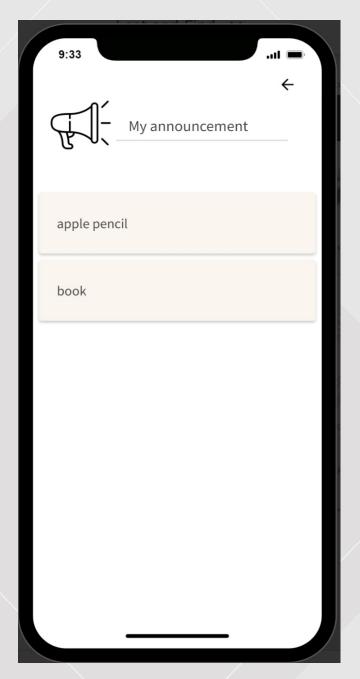


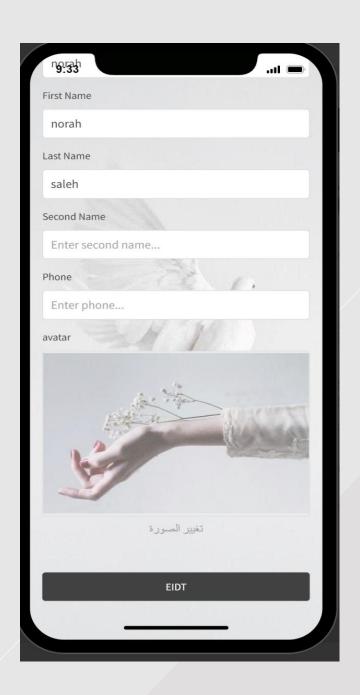


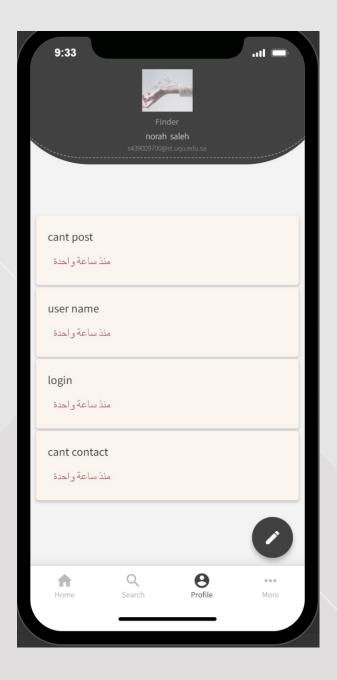




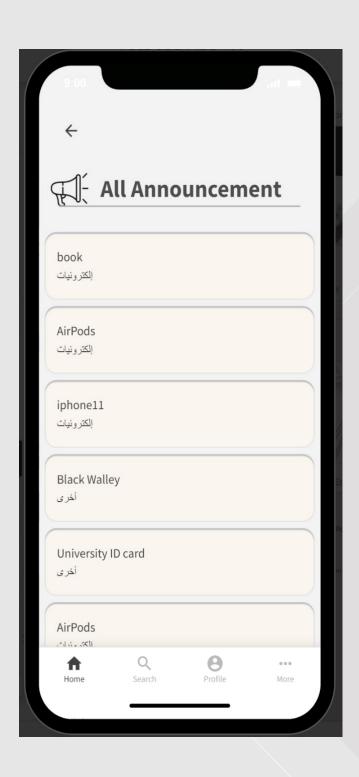


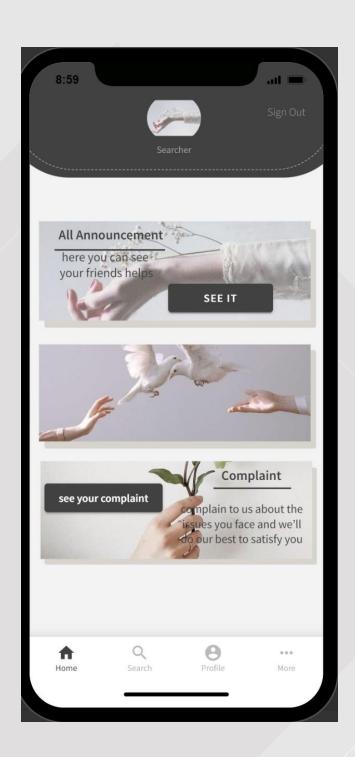


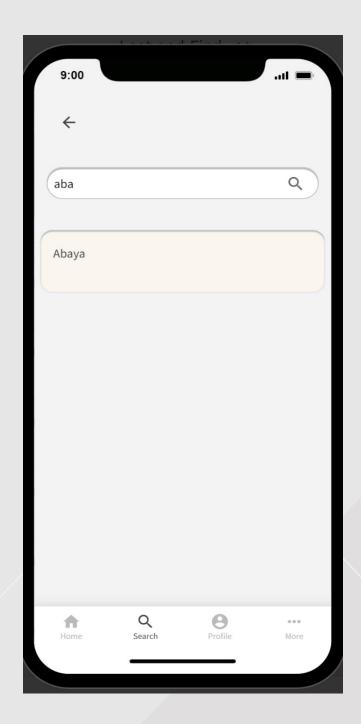


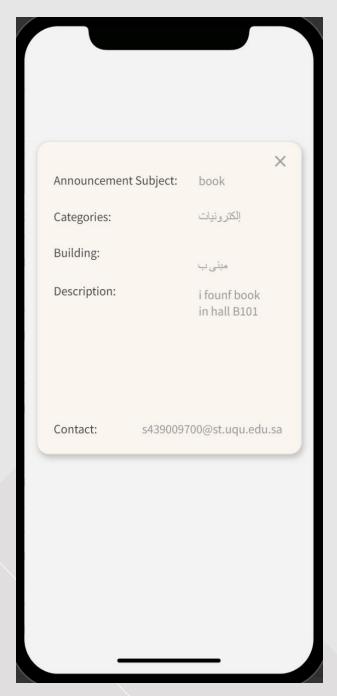


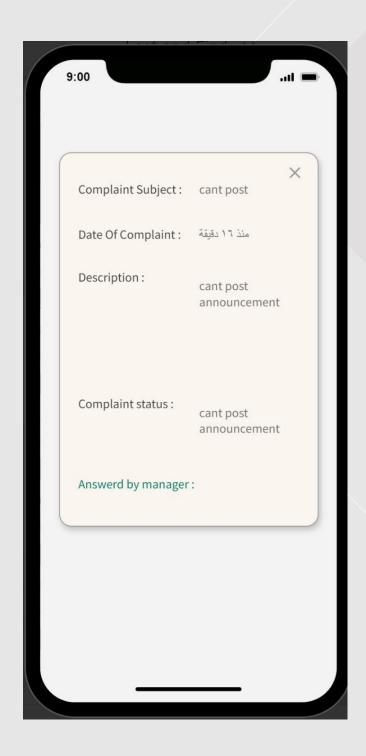
## Searcher

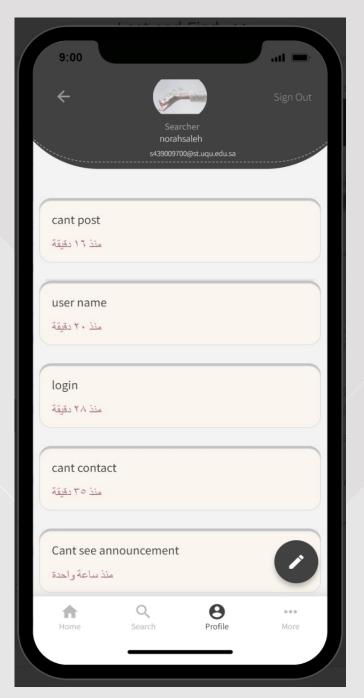


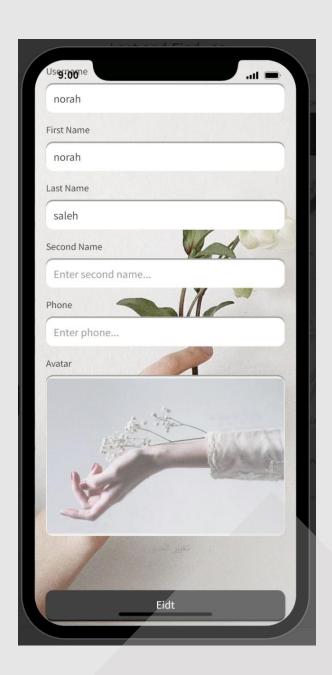


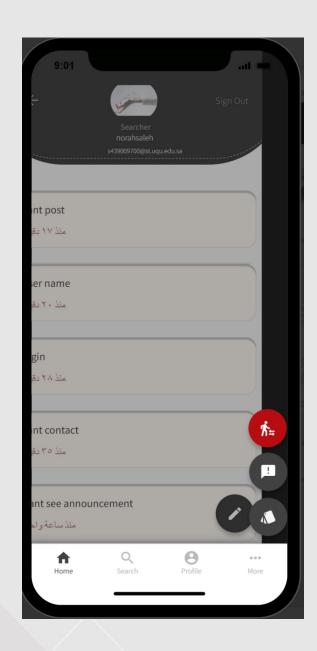




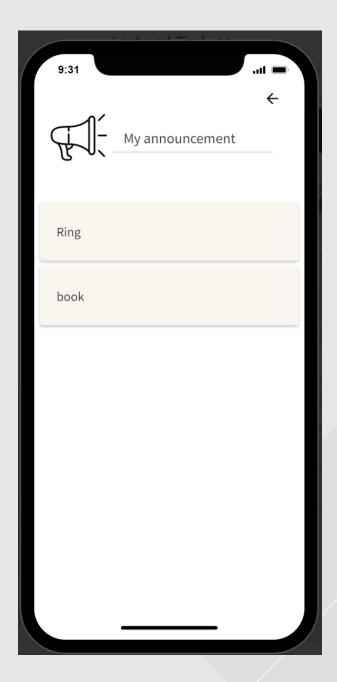


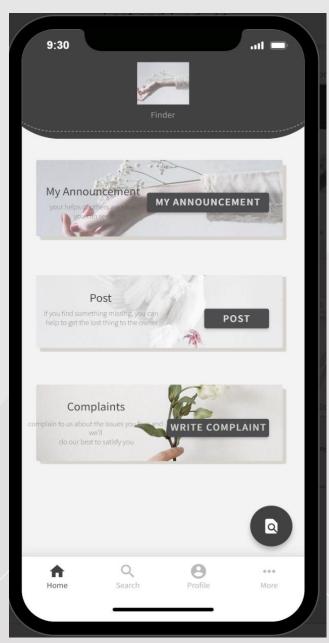




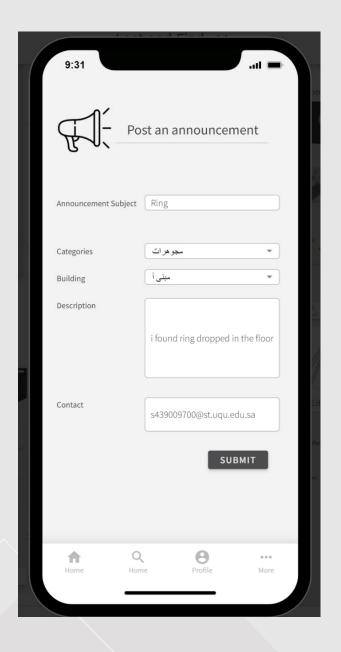


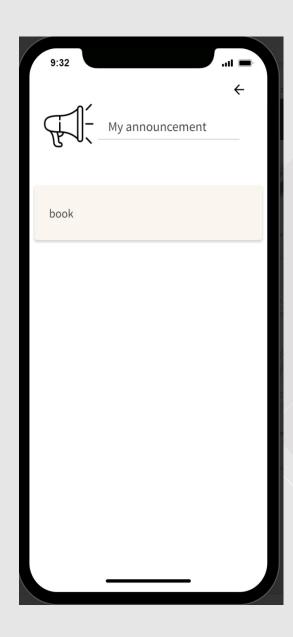
# Manager

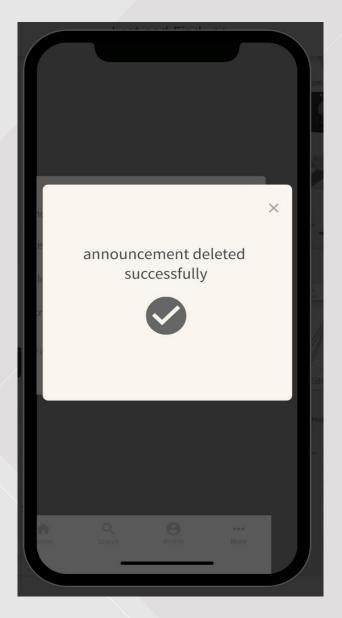


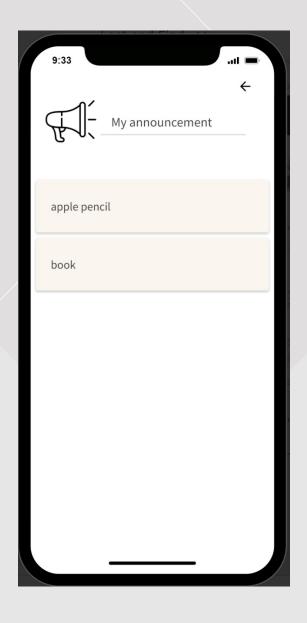


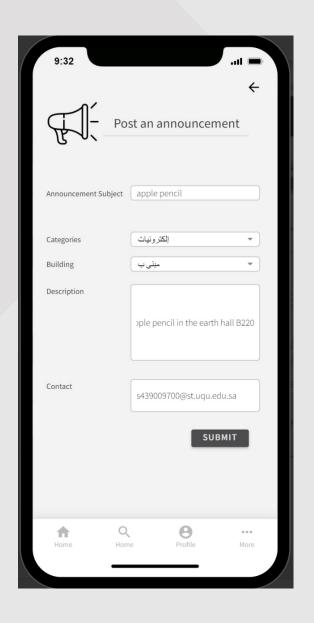


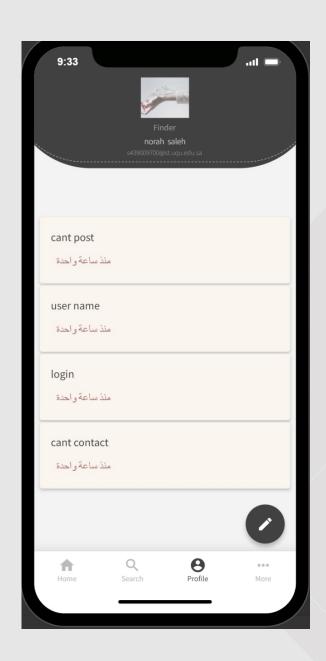


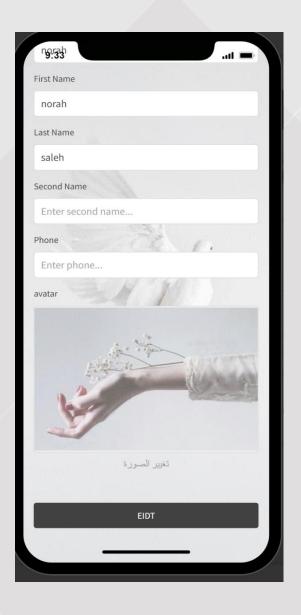


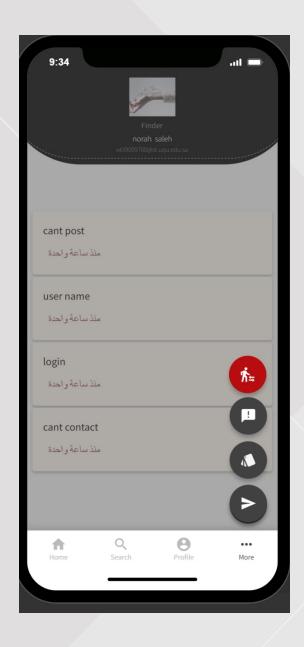


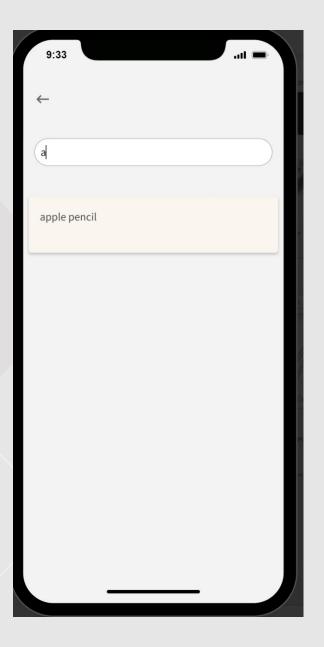








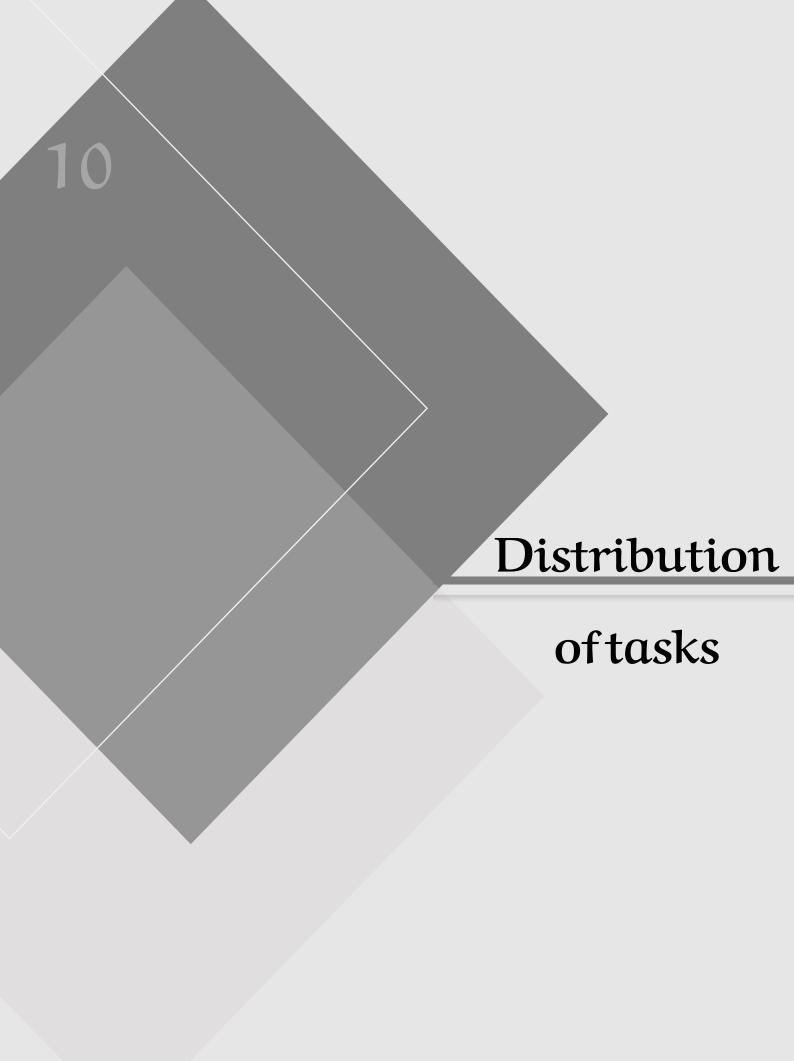






### Difficulties:

- Understanding and connection Database with pages
- For a week, we had a hard time identifying the right tools by trying more than one and then choosing **Adalo** as an implementation tool.
- We had difficulty implementing some requirements, such as showing the last three ads as a slider and deleting ads automatically after 30 days.
- We encountered a difficulty in some of the manager's requirements such as modifying the ads, but it was resolved hours before delivery.



Tasks	Atheer	Alaa	Anfal	Bushra	Raghad	Norah
Functional requirement	*	*	*	*	*	*
Non-functional requirement	*					
Use case Diagram				*		
Use case text (Scenario)	*	*	*		*	*
Class diagram (UML)	*	*	*	*	*	*
Prototype	*	*	*	*	*	*
Implementation phase	*	*	*	*	*	*
Report		*				