

Graduation Project
Management System For
Sanad Society

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Abstract

Social media can be defined as a technology that facilitates the exchange of ideas and information through communication between virtual societies, and it mainly depends on the presence of the Internet-connected to computers, tablets, or phones, and it enables users to quickly access content that may be personal information, or documents, videos, or pictures. Social media websites are usually used to interact with friends and family, and they have become a way to reach customers to promote products and services, and the number of users of these sites reaches more than 3 billion users around the world; 90% of them are between 18 to 29 years old.

Hence, we came up with the idea of the first graduation project, "Yellow Guide", by designing a website and a mobile application that facilitates the search and access to the site of a particular store, obtaining more details about this store, such as its phone number, store category, rates from other users, details about the opening hours of the store. It also shows the location of this store on the map or show them as a list that contains all the information about this store and how far the store is from the user, this is from the user's side. On the other hand, the application helps stores' owners to add their stores to the application after the official approval. They will be able to announce their stores with their exact locations so that the application takes the coordinates of their location and adds it to the map. The application also allows them to add more details about their stores, they can add offers last for one day then send a notification for each user who added this store to his favorites.

So the most important process in our application is that it helps users to reach a specific stores whether they have previous knowledge of the name of this shop, so the person enters the name of the store

then the application shows him all the details about the intended shop. Also, the user can enter the store category, like clothes and the city that where the person is located then the application will show all stores that fulfill these two conditions.

The process of developing our project was as follows, where we initially collected the requirements as we did a questionnaire targeting two types of categories, users and shop owners. Then analyzing the requirements, after that, we started the process of writing encryption for the application and the website and developing our project and finally, we did a test for all the application.

Chapter 1

Introduction

In today's life the application become one of the most important technologies, which reduce the time and the effort, the idea of our graduation project 1 came from yellow pages book but with more features. Our idea is a mobile application that save data to facilitate point of interests both online and offline. The point of interest can be the different kinds of stores (electronics shop, library, restaurant, etc.) our project will support two kinds of users with many features for each of them. The client user who will search for a store and the storeowner who will add a store.

For the storeowner, our project will provide ready to use templates to add the store type, different types of products, and a simple admin page. For the client user, our project will provide the type of shop and in which city, then the application will display all the shops in that type and order them from the nearest to the user's location on the map, the client user can also order them alphabetically, The client can search on a specific shop and the application will display the location of the shop on the map. After choosing the shop , the application show the opening time , the exact location and phone numbers, the user can give a rate for each shop ,the user also can make a favorite mark to let him up-to-date with this type by send a notification to the user.

content of the application will be dynamic, any one have a store will be able to add it to the database after a confirmation from the admin, owner of stores can add some note like sales in a specific time, or new goods arrives recently. The application should be user friendly for booth how want to shop or how wants to present his shop, it can work offline ,and for the security any updates have to be confirm by the admin. .

this report it will show the allover view of the application then show the data base that suite it , also it will present people views the features of the project through the questionnaire that we published .

Chapter 2

Literature Review

If we look around ourselves, especially in the world of the Internet and social networking sites, we will find that many applications and pages depend on the field of marketing and advertising, as if the whole world is in your possession. For example, websites like yellow pages, as well as Facebook, Instagram, and Google Maps. And many applications that people do not know about them.

The public one is the "Yellow Pages" website which is based on displaying all stores in all cities and villages of Palestine with all the details related to them but only based on a fixed database. The site's owners enter the data, but shop owners cannot add any modifications, offers, or advertisements. So the main idea of our project looks different here wherein our store owners can add the store or many stores on the app on their own, then the main admin accepts the valid requests and adds it to the app or website officially.

Our project also allows people to have accounts, so they can add stores with all their modifications, and they can also make a preference for a specific store to receive any notifications when their favorite stores download sales or notes.

As if we look at Facebook or Instagram alike, we will find that Facebook also falls under the world of marketing and media, but indirectly because it is considered as a social networking site more than the goal

that our application addresses. Shop owners can add pages related to their stores, but they face problems defining a generic and clear name that everyone can trade and search for, and as it only works online, a person needs the Internet to search for a store. On the other hand, you do not have all the details about a store, the most important of which is its location on the map and how far it is from you. In addition, it is known that Facebook is a global site that contains many similar stores in multiple countries, which makes it difficult to search.

Chapter 3

Constraints and Earlier coursework

In this chapter we will talk about the constraints we faced during this project. Beside, different coursework and topics that have been useful while doing this project .

- Constraints : We faced many constraints during the development of our web site.we mention the most important problems
 - dealing with map.
 - make the application working offline .
 - make a story for 24 hours and then disappear.
- Earlier Coursework : The main course that helped us during our project is the java course. In this course since android is very similar,also software course , also database and critical thinking which helped us in writing this report. .

Chapter 4

Methodology

4.1 Introduction

The application interface that enables you to move to another interface, by browsing as a visitor without the need to log in, because it is a general application that anyone can use it without having to have a personal page and a username, but that does not allow to get some additional features from the application, which we will explain later. Also, a person can get a username and a special account in it, so he can add his store to the application, or he can get another feature in which he can prefer another store and notified when this store adds sales.

This interface has four elements: The first one is to log in using the email and password, when clicking on it the application checks the database if the information entered is available or not, if available, it takes you to the third image. Second (subscribe to the site) so that you can get a personal page of your own by clicking on it, it takes you to the fourth image to fill in the complete information. Third, browsing as a visitor by clicking on it takes you to the main page without the need to log in. Finally, the help button displays all information about how to use the application..

4.2 application's pages

4.2.1 first page

you can sign in if you have ac account or you can signup if not if you only want to search about any store you can browes as a visitor. as figure4.1

(sorry we couldn't manege to Put the figures in the right place they are at the end of this chapter)

4.2.2 login page

You can log in using an email and a special password previously entered for the application and in case you forget the password you can retrieve it so that the application sends an email to you which contains the password. By clicking on the forget password, the password recovery interface will be shown to you. By clicking on the login button, the home page will appear for you to use the application. see figures 4.2

4.2.3 Register page

This page contains all the information required to be filled in, the person's name, email, phone number, password, and password confirmation see figures 4.3

4.2.4 Home page

The most important application operations are on this page. The user selects the category of the store that he wants to search for, as well as the city in which he is located. When the user click on the search button, the application goes to the database and displays all stores that carry this category in the selected city and all are displayed as a list

Also , if the user was previously aware of the name of a particular store but does not know where it is located, he can through this page enter only the name of the store and then press the search button, so all the details about this shop will appear. see figures 4.4

4.2.5 Personal page

Personal page: Through which a person can change the password, enter the new password in the box, and then click Modify Account, and the password will be changed, so the database. Besides, stores' owners can add their stores by pressing the add button below, see figure 4.5

4.2.6 ADD Store page

This page contains all the information about the store (The name of the store, the opening hours of the store, a picture of the store, an additional link for the store to detail and display more pictures about the store, a description box to add additional details such as the site in details, name of the region, street, building, and floor number, as well a description of the nature of the work of this store, the type of stores such as clothes, supermarket, or electrical store.. etc. and the name of the city in which this store is located). The last two options are used for search to reach the shop or by the first option by entering the name only as we explained previously. After that press the save button and the information will be stored in the list of active stores. see figure 4.6

After that, the store appears at the bottom of the personal page. You can click on the small arrow next to the image, add modifications to the store, such as changing the opening times of the store, details about it, as well as you can add discounts, in turn, send a notification to everyone who added this store to the favorite list. Also you can delete the store from the application. see figure 4.7

4.2.7 list page

Here, a list of the required stores that own the same type and location entered appears. The name of the store appears with all details about it (when you press the heart button a message appears to confirm adding this store to the favorites when you press the second button you see discounts that the store owner may have opposed when you click on the (location) button the geographical location of the store appears on the map When you press the (Attachment) button, it takes you to the store link on Facebook or Twitter, and when you click on the (star) button, it allows you to rate the store).

see figure 4.8

4.3 Admin pages

we have a website for admin we designed it in netbeans and use php

4.3.1 admin login

website for the admin to approve the real requests and add them to the app see figure 4.9

4.3.2 Received Request

this is the request that arrived at the admin to be accepted see figure 4.10

4.3.3 Accepted stores

this page displays the table for all activated stores in the app and the admin can add any edits to the stores such as delete or edit the information or block it which that send the store to the wait state to

be activated. see figure 4.11

4.3.4 Edit page

this page at the website where the admin can add any edits to the store see figure 4.12

4.4 Database

We have used the MySQLi database is to store all the information entered, whether in the application's database or for use by to be used by the administrator, this in the case of online.

We also used Sqllite to store the stores to be viewed on the map on the offline case. And we use it because it small, fast and available on android. this is the tables that appear in the database which have all the data that will be used in the app. the figuers for database at the end

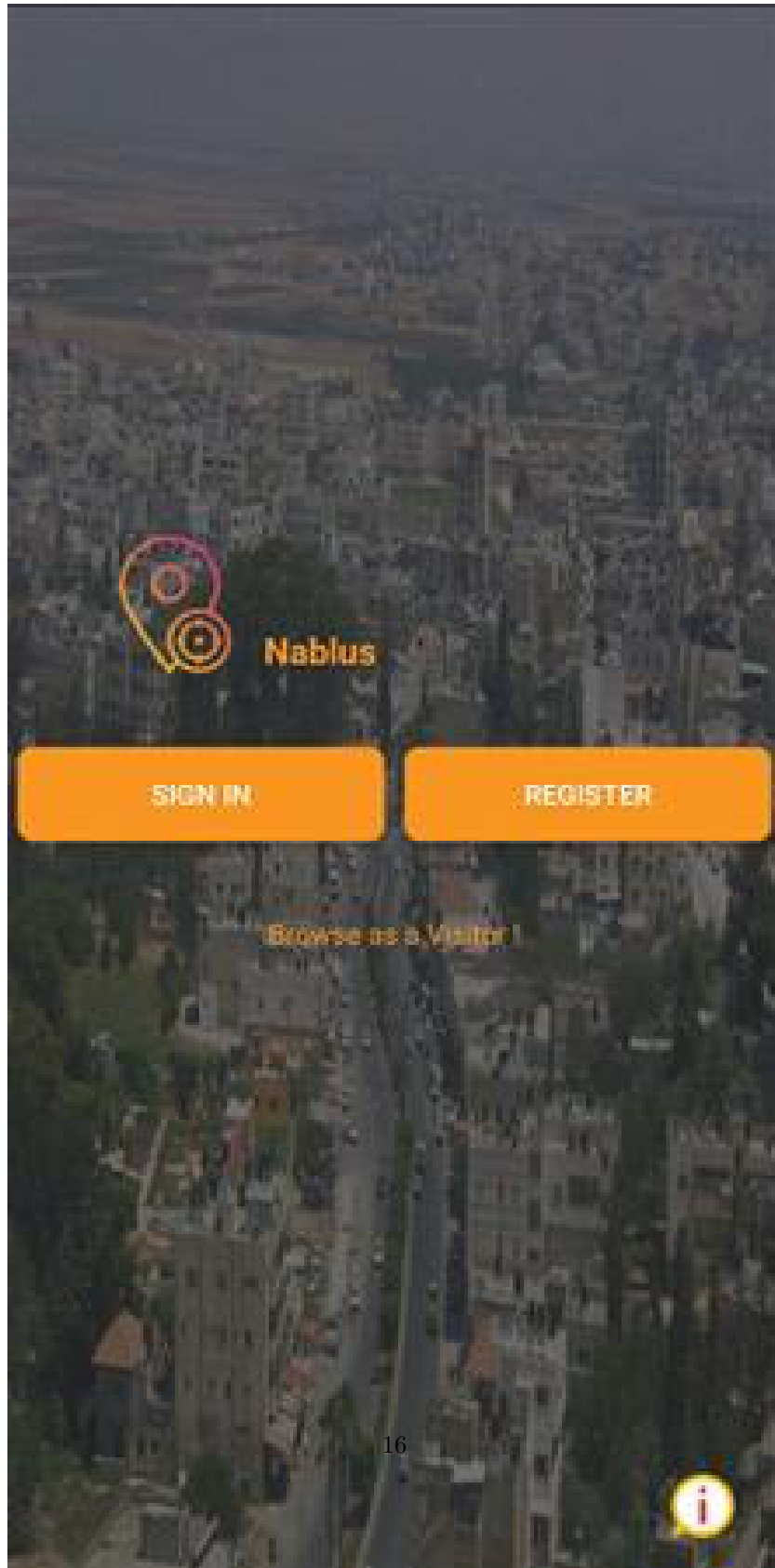


Figure 4.1: First page

Sign in



User Name



SIGN IN

[Forget Password](#)

[Create New Account ? Register](#)

Figure 4.2: login page



Name



User Name



example@email.com

Phone



REGISTER

[Sign In](#)

Figure 4.3: Register page

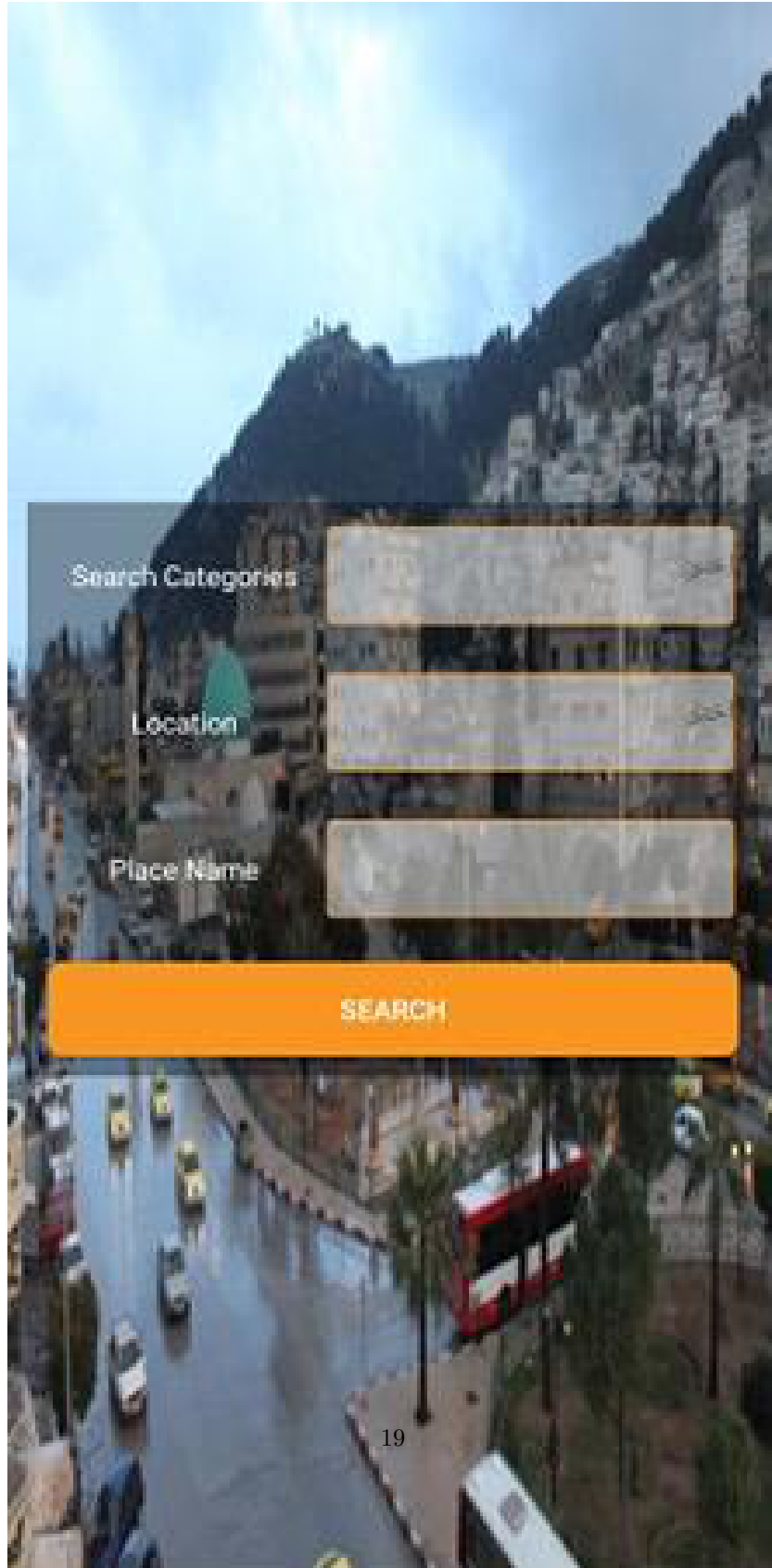


Figure 4.4: Home page

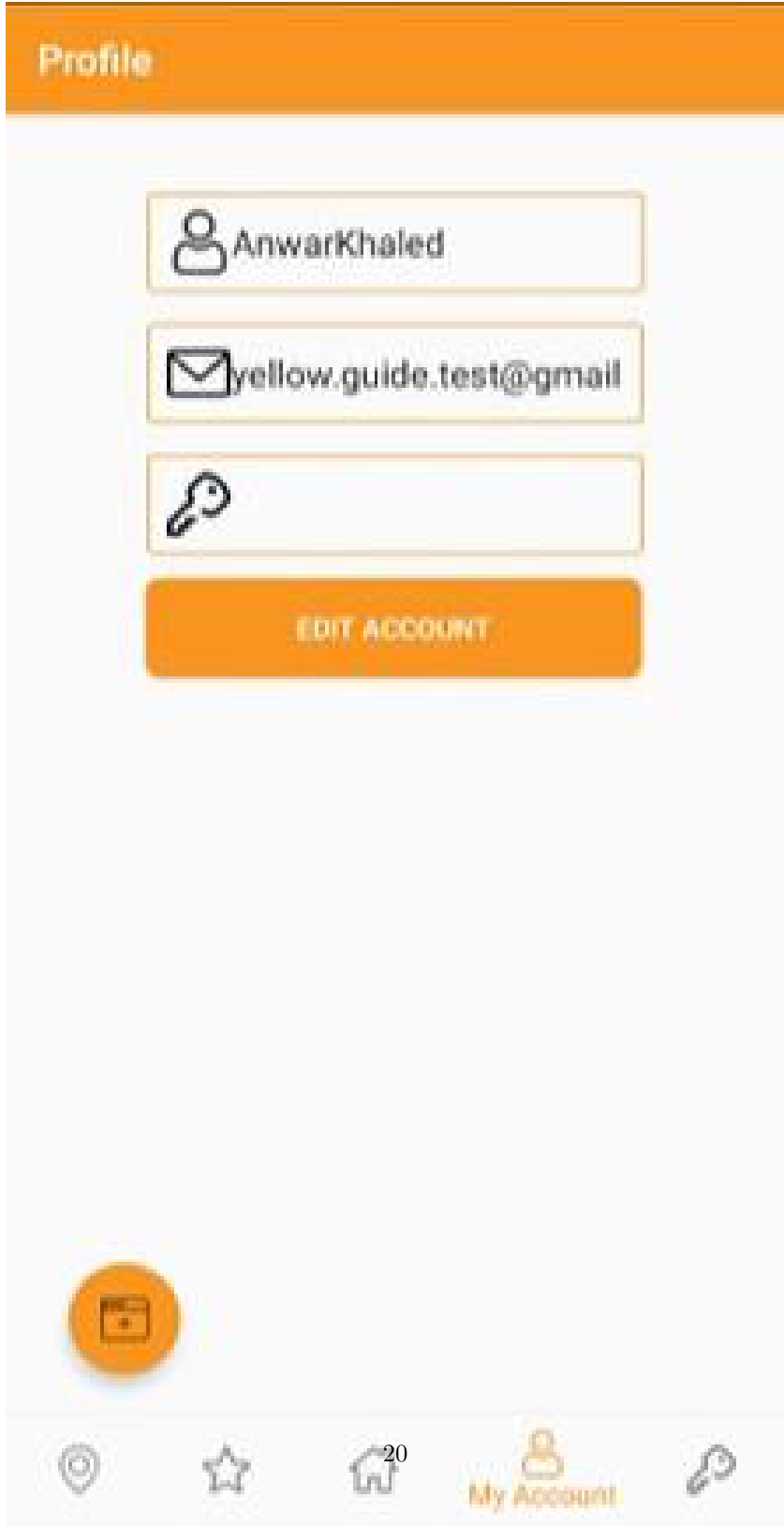



Figure 4.5: Personal page

Add Stores


Name


9:00 To 23:00



URL

Description





SAVE






   ²¹  My Account 

Figure 4.6: Add store page

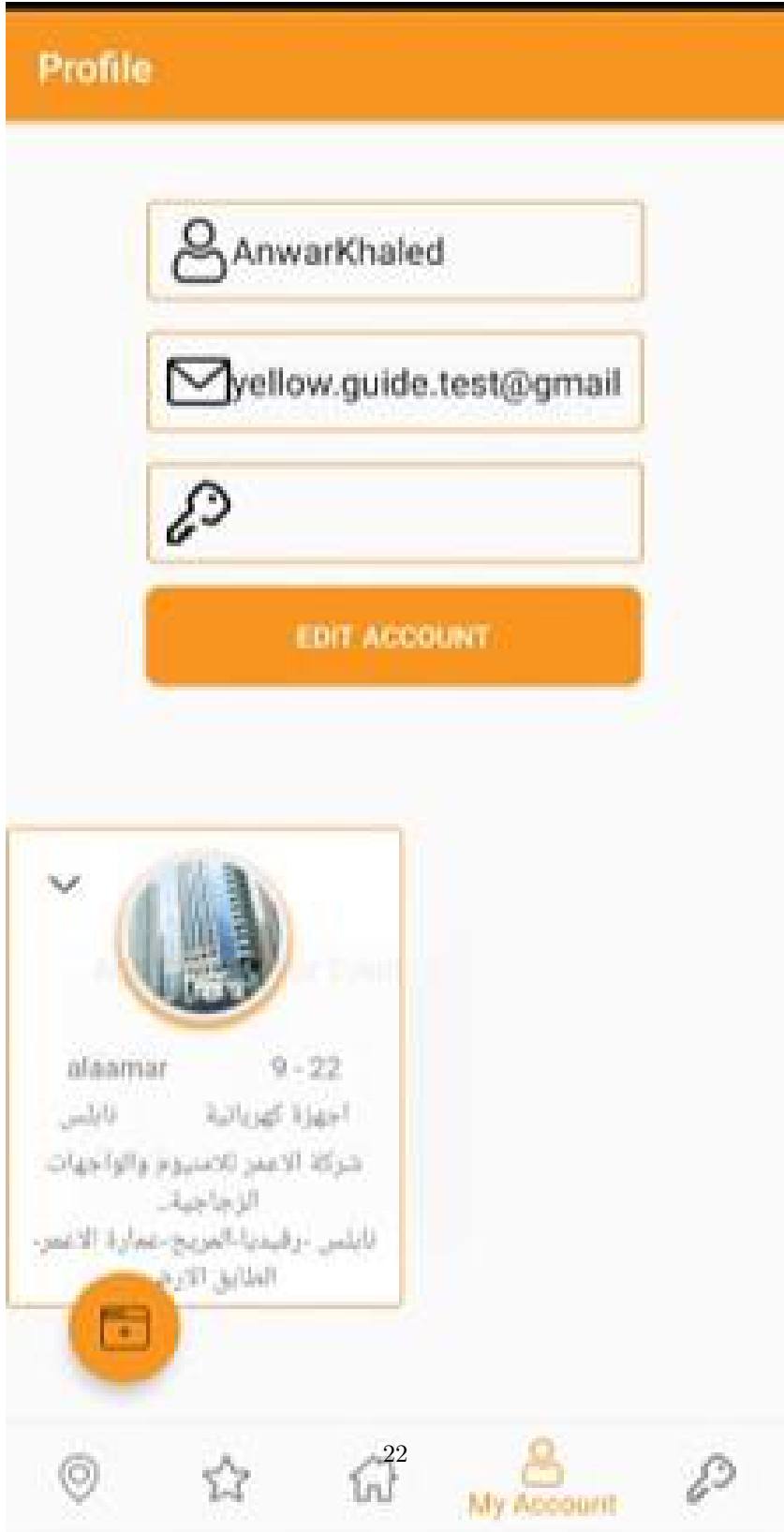


Figure 4.7: store appearance page

Stores

22 - 9 alaamar

نابلس - Km 9.68
اجهزة كهربائية
شركة الاعمر للامنيوم والواجهات الزجاجية..
نابلس -رفيديا-المريج-عمارة الاعمر- الطابق الارضي
0590596725



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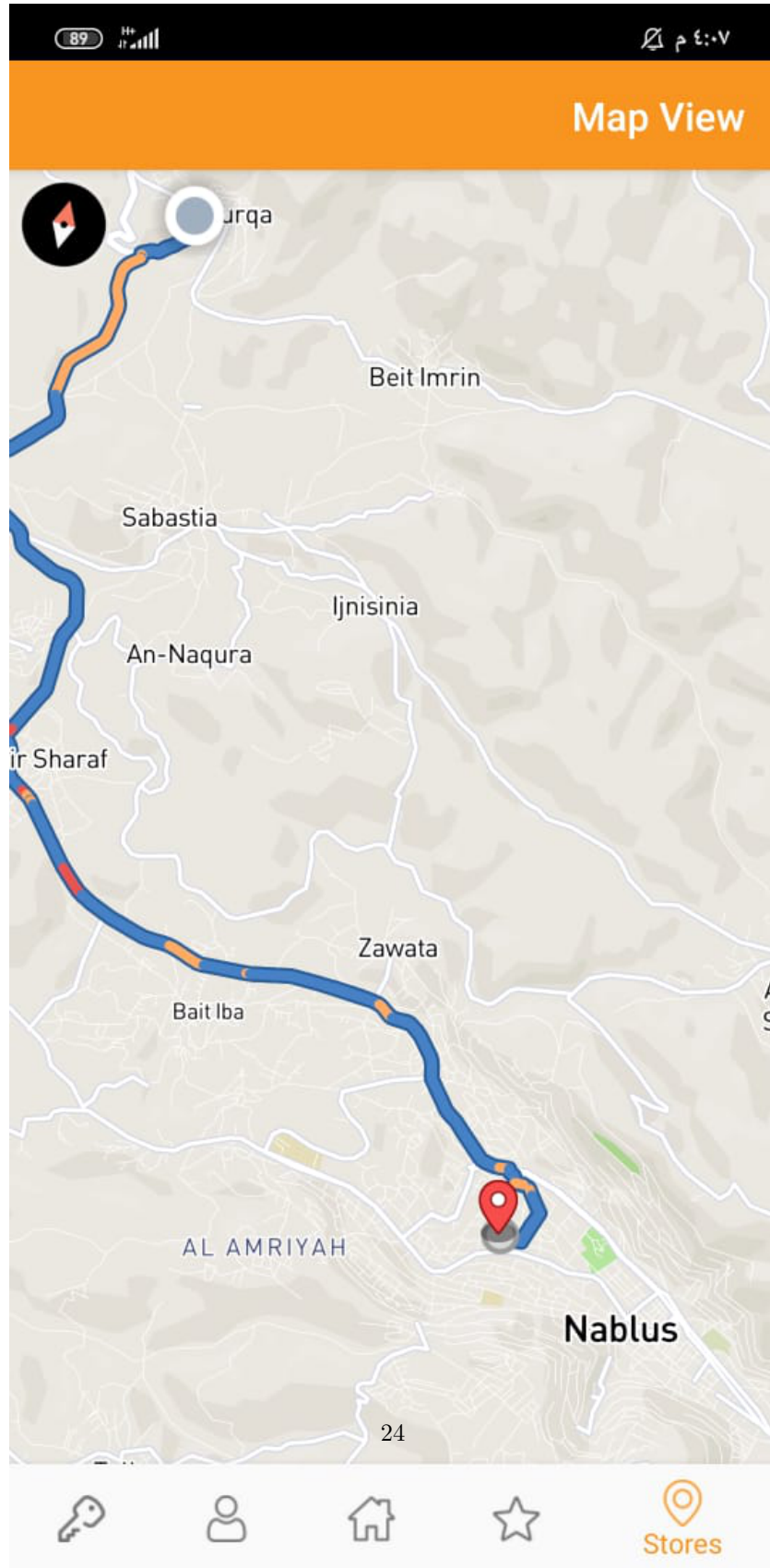


Figure 4.9: location on map page

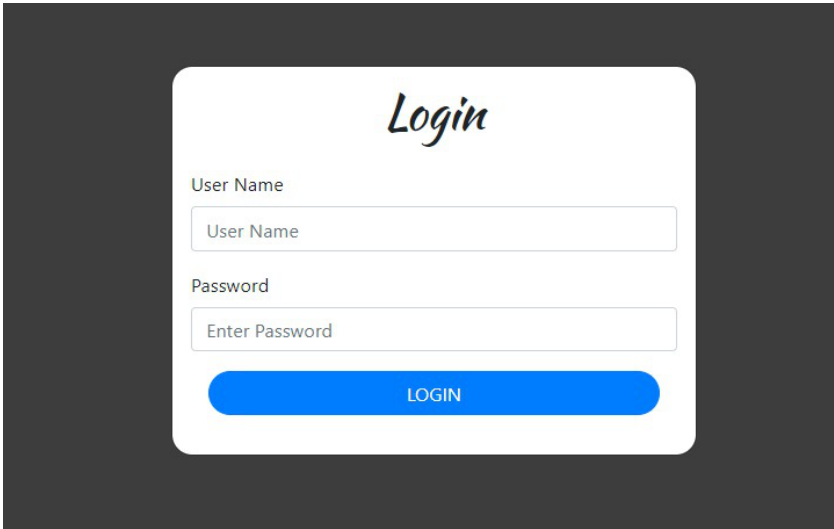


Figure 4.10: Admin login



Figure 4.11: Received Request

المتاجر النشطة							
صورة	رقم المتجر	الاسم	النوع	الموقع	البريد الإلكتروني	الرابط	وقت العمل
	40	fashion	احذية	نايلس	anwaraamar.96@gmail.com		2 - 12
	49	alaamar	اجهزة كهربائية	نايلس	yellowguide.test@gmail.com	https://www.facebook.com/pages/alaamarco/675159792574289	9 - 22
صورة	رقم المتجر	الاسم	النوع	الموقع	البريد الإلكتروني	الرابط	وقت العمل

Figure 4.12: Accepted Stores

Yellow Guide طلبات جديدة المتاجر تسجيل الخروج حسابي

تعديل متجر

الاسم	رقم المتجر
<input type="text" value="fashion"/>	<input type="text" value="40"/>
وقت العمل	الرابط
<input type="text" value="2 - 12"/>	<input type="text"/>
المدينة	النوع
<input type="text" value="اختر"/>	<input type="text" value="اختر"/>
ملاحظات	
<input type="text"/>	
خطوط الطول	خطوط العرض
<input type="text" value="35.2432251"/>	<input type="text" value="32.2255532"/>

Figure 4.13: Edit Page

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	name	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	path	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	worktime	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	description	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	6	len	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	7	lon	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	8	url	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	9	user_id	int(11)		No	None			Change Drop More
<input type="checkbox"/>	10	city_id	int(11)		No	None			Change Drop More
<input type="checkbox"/>	11	catere_id	int(11)		No	None			Change Drop More
<input type="checkbox"/>	12	states	int(11)		No	0			Change Drop More

Figure 4.14: Database Table1

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	name	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	email	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	username	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5	password	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	6	token	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	7	phone	varchar(255) utf8_general_ci		No	None			Change Drop More

Figure 4.15: Database Table2

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	user_id	int(11)		No	None			Change Drop More
<input type="checkbox"/>	3	sore_id	int(11)		No	None			Change Drop More

Figure 4.16: Database Table3

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	user_id	int(11)		No	None			Change Drop More
<input type="checkbox"/>	3	sore_id	int(11)		No	None			Change Drop More

Figure 4.17: Database Table4

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	ar_name	varchar(255) utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	en_name	varchar(255) utf8_general_ci		No	None			Change Drop More

Figure 4.18: Database Table5

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 subject	text	utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 sore_id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	4 datetime_read	datetime			No	None			Change Drop More

Figure 4.19: Database Table6

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 catere_name	varchar(255)	utf8_general_ci		No	None			Change Drop More

Figure 4.20: Database Table7

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 name	varchar(255)	utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 email	varchar(255)	utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 username	varchar(255)	utf8_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5 password	varchar(255)	utf8_general_ci		No	None			Change Drop More

Figure 4.21: Database Table8

Chapter 5

Results and Analysis

A questionnaire was distributed . there was no specific target group, The data was taken form all people, and we were able to collect 153 responses , 63% of them were female and only 37% were males we asked several question that related to our project .

- Q1: Almost ”How long do you spend on the phone per day?

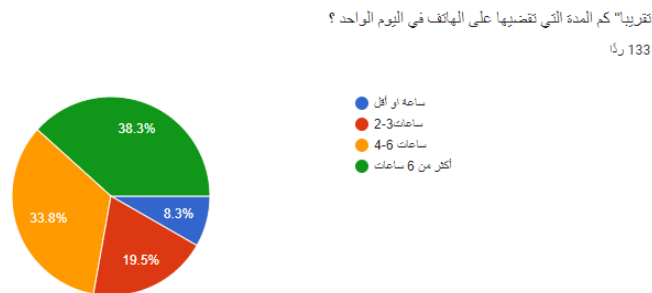


Figure 5.1: Question1

As we see more than 70% of the samples spend more than 4 hours a day .

- Q2: What is the percentage of using social media to get the store's location?

5 means high percentage .

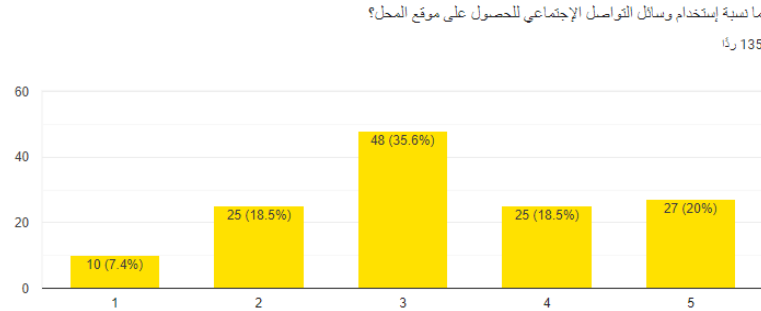


Figure 5.2: Question2

We ask this question to approve that people used to search for the location of the stores that they want. And data was shown that the people use the social media to look for the address of the stores with a quiet high percentage.

- Q3: Are you facing a problem in knowing the address of some shops in Palestine?

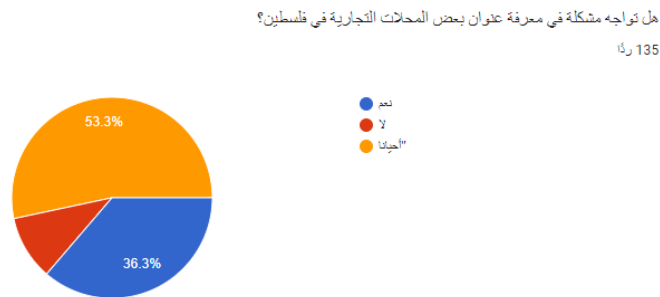


Figure 5.3: Question3

Only 10% said that they have no problems.

- Q4: Are you having difficulty finding a way to contact the shops?

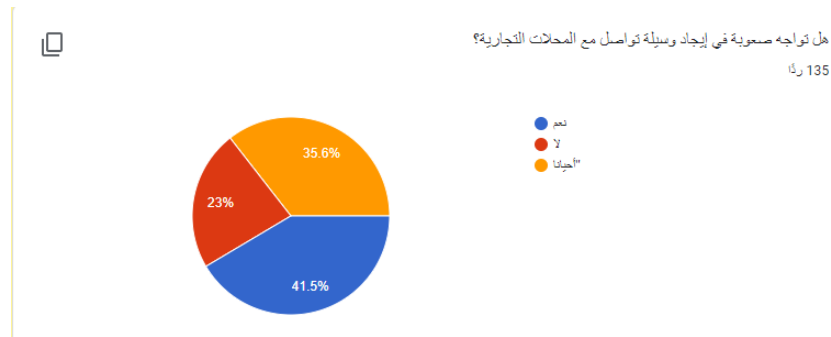


Figure 5.4: Question4

23% said no, and the rest were between yes and maybe

- Q5: Do you prefer having an application on the phone that helps in searching for shops in Palestine?

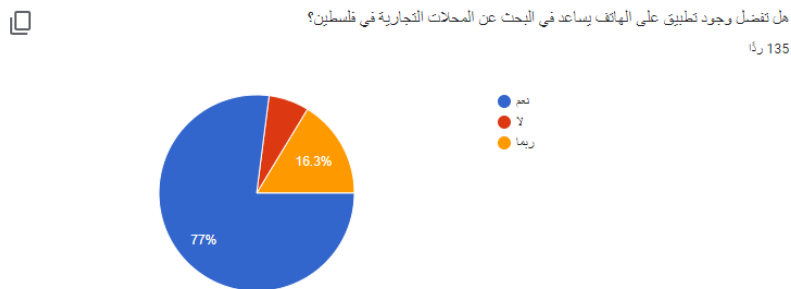


Figure 5.5: Question5

Only 6% said no, and 77% said yes

- Q6: Do you care about the rating of shops or the opinion of others about them?

هل يهيك تقييم المحلات التجارية أو رأي الآخرين فيها ؟

رأى 135

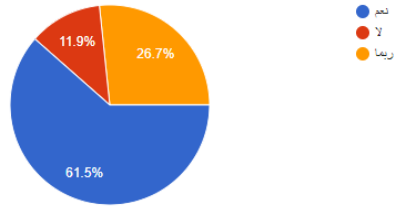


Figure 5.6: Question6

61% say yes ,and our project supports rating stores.

- Q7: What are you looking for in the shops guide app? ... More than one option can be selected

ما هي الأمور التي تبحث عنها في تطبيق دليل المحلات التجارية؟ .. يمكن إختيار أكثر من خيار

رأى 135

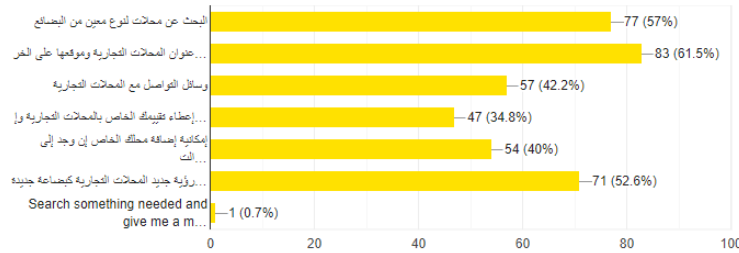


Figure 5.7: Question7

the option are:

- Search about specific category of goods.
- The address of the stores and their locations on the map
- Communication ways with the stores.

- Rate the stores and write a review
- Enroll your own store in the application
- See what's the new about stores and their offers.

- Q8: Does your family own a store?

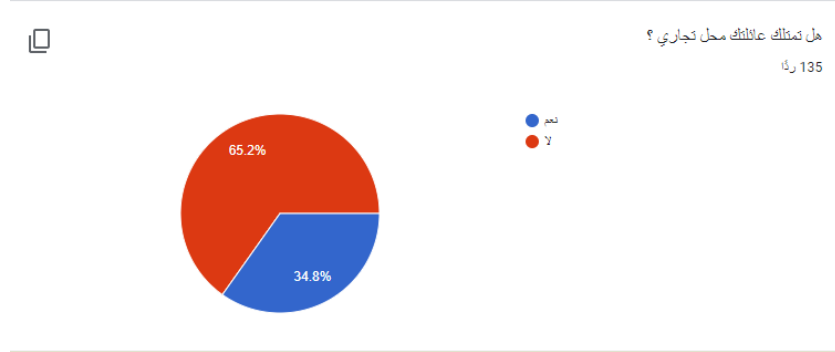


Figure 5.8: Question8

After this question if the answer is yes ,the questionnaire will go to another section to answer the question below .

- Q9: Are you having difficulty finding a site for free advertising?

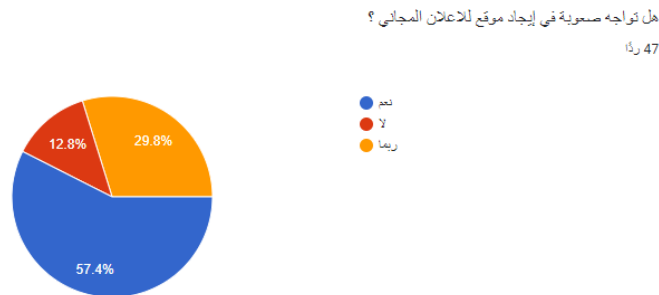


Figure 5.9: Question9

Only 12.8% said no, our project provide a free advertising for stores

- Q10: How comfortable are you using social media to view your products?

5 means high , so the storesowner not really comfortable with social media.

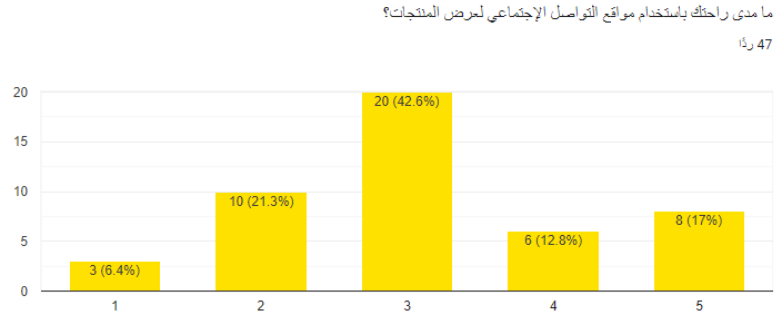


Figure 5.10: Question10

- Q11: Are you having difficulty describing your store location?

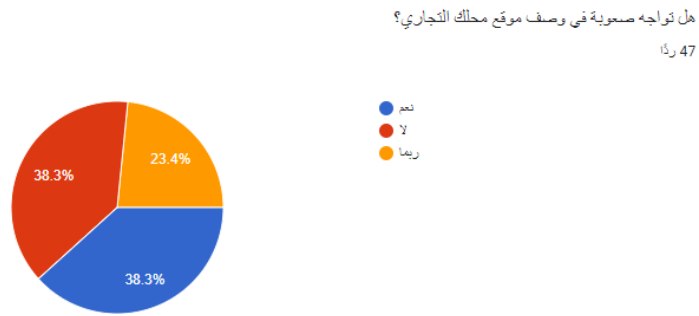


Figure 5.11: Question11

38% said no and 38% said yes.

- Q12: Do you receive questions on messages to inquire about the store's location?

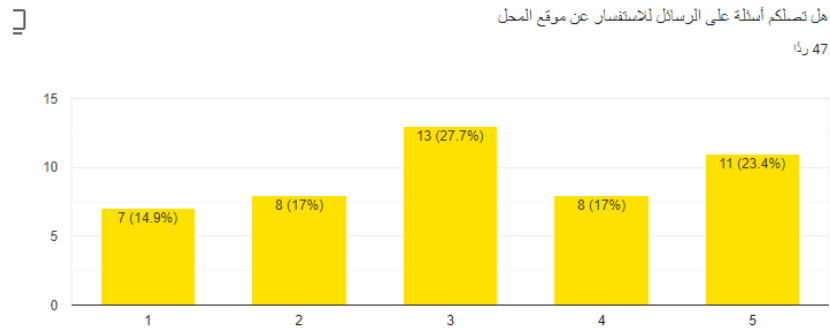


Figure 5.12: Question12

5 means alot, our project provide a map to show the shortest bath from your location to the store you want .

- Q13: What information should the customer have regarding the shops? More than one option can be selected .

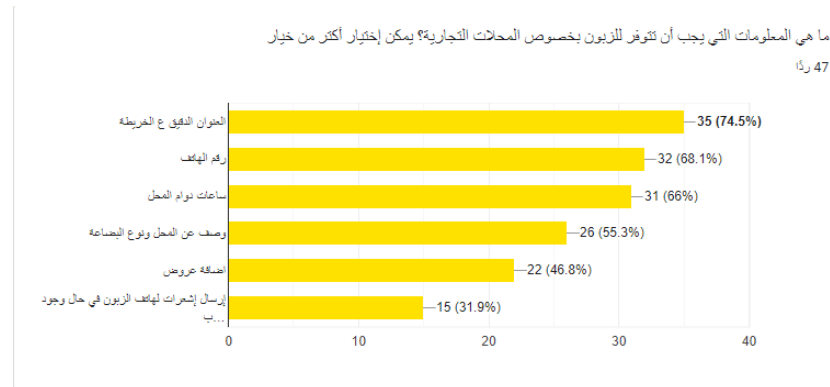


Figure 5.13: Question13

the option are:

- Exact location on the map

- phone number
- Opening hours
- Description about the store and its goods
- Add new offers
- Send notifications for the customers in case of new goods

Chapter 6

Conclusions and Recommendation

6.0.1 Conclusion

All over the world, we find that social media has made a big change in our lives as it facilitated the process of reaching people and places. From here came the idea of this project and what distinguishes it from other applications is more flexible in use without relying on a fixed database, and it is considered more specialized in a world Shopping and advertising.

6.0.2 future Work

- Develop a web site.
- Develop app for ios platform.
- Expansion to include online stores
- Providing ordering and delivering goods

Chapter 7

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