Software documentation Technical Writing Report:Nahdi Application

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Contents

0.1 Abstract

Stemming from its firm belief in being a "community pharmacy," Nahdi Medical Company not only serves the community, but also educates it through its health awareness and preventive campaigns. It relies on its local knowledge and extensive investment network to develop the Saudi community

0.2 Task Schedule

Introduction	Salmah Mrdi Alessi - Meaad Mohammad Already
Problem	Meaad Mohammad Already
Comparison	Salmah Mrdi Alessi
Survey results	Salmah Mrdi Alessi - Meaad Mohammad Already
Functional Requirements	Meaad Mohammad Already
Non-Functional Requirements	Salmah Mrdi Alessi
Application Interface	Salmah Mrdi Alessi
Models System	Meaad Mohammad Already
System architectures	Meaad Mohammad Already

1 Chapter:1

1.1 Introduction

Pharmacy is one of the important pillars of the healthcare sector, as doctors rely on it to complete the treatment process, and in the same context, the pharmacist provides important advice to patients for the success of the treatment and treatment process. Therefore, the specialty of pharmacy falls within the framework of humanitarian specialties that greatly and directly affect human life. It is a healthcare facility that confirms the provision of services to the community. It also dispenses medicine and includes the presence of a guaranteed pharmacist registrar. The pharmacy can be affiliated with the private sector, or it can be a public institution affiliated with the Ministry of Health in which the processes of compounding, dispensing, reviewing and ensuring the efficiency of medicines are carried out.The field of medical pharmacy is one of the very important fields that facilitates our lives and serves our needs on a daily basis. Therefore, it must be of high quality, appropriate and excellent. The electronic pharmacy is easy, so consultations have become The field of medical pharmacy is one of the very important fields that facilitates our lives and serves our needs on a daily basis. Therefore, it must be of high quality, appropriate and excellent. The electronic pharmacy is easy, so consultations have become Easy, fast, available at all times, guaranteed and very safe. This field has developed very noticeably in recent years until it reached the best version of it that serves all medical needs and provides medicines, medical devices, children's supplies, and medical consultations. This great field has helped many people, including the elderly, people with special needs, and those who do not know how to drive, to obtain medicines safely, easily, and with fast delivery is one of the leading companies in the retail pharmacy chain in the Kingdom of Saudi Arabia. It operates a wide national network spread across more than 125 cities and villages throughout the Kingdom, making it one of the most widespread and fastest growing companies in the region.Nahdi Medical Pharmacy aims to serve more than 36 million guests as the main supporter in the communities it serves through its sustainable programs to promote health care, fitness, and maternal and child care. Based on its firm belief in being a "community pharmacy", Nahdi Medical Pharmacy does not only serve the community, but also educates it, through its health awareness and preventive campaigns. It relies on its local knowledge and extensive investment network to develop the Saudi community. Nahdi Pharmacy application helps solve these problems and provides you with all your daily needs to your doorstep, saving time and effort.

1.2 Problem

Some people may face problems in reaching the pharmacy or dispensing the appropriate medicine for them, and some may need medical consultations but do not have enough time to book an appointment and go to the hospital at the specified time. The best way to solve their health problems is the Al-Nahdi Medical Pharmacy application.

1.3 Existing systems

Pharmacy	Advantages	Disadvantages
Outlet	-Diversity of products. - Payment methods explained. - The main interface is arranged.	- Very Slow - There is no barcode through which you can search for product details. - There is no doctor's consultation from the application. - There are no electronic prescriptions. - It does not provide information about medical insurance. - It does not provide health awareness and education. - I said outlet products.
Shams	-Not Slow -Branches appear shams	- There is no barcode through which you can search for product details. - There is no doctor's consultation from the application. - There are no electronic prescriptions. - It does not provide information about medical insurance. - It does not provide health awareness and education. - I said outlet products.
Sidalih.com	- There are discounted alternative products. - Constant availability of coupons.	-There is no barcode through which you can search for product details. - There is no doctor's consultation from the application. - There are no electronic prescriptions. - It does not provide information about medical insurance. - It does not provide health awareness and education. - I said outlet products - There are discounted alternative

Figure 1: Existing systems

Al Nahdi application is the best because it contains a wish list and The presence of a barcode through which you can search for product details ,You can consult a doctor from the application,Dispensing medical prescriptions electronically, Provides information about medical insurance, Provides health awareness and education,Diversity of Nahdi products profit points, and among the services it provides is "Wazen Hayatak", a program that aims to change the lifestyle of Saudi society members for the better. You can also ask a pharmacist directly, and this is what distinguishes our application ,Providing pharmaceutical care and advice through Nahdi pharmacists. Saving the effort and time that patients spend in hospitals.

1.4 Survey results

We conducted a survey to collect users' opinions about the Nahdi application in order to improve and develop it. Several users participated in the survey, and the aim was to know their satisfaction with the user experience and the difficulties they faced

Question	Possible answer
How fast does the application perform the required tasks?	too fast/fast/slow
How satisfied are you with the products offered by the app?	Beautiful/Bad/ 100 Guaranteed
What are the disadvantages of the application?	Text answer
What are the advantages of the application?	Text answer
Does our app serve all your needs?	Yes /No
How satisfied are you with the Nahdi app?	1/2/3/4/5

1.4.1 Summary of results:

١. مدى سرعة التطبيق في اداء المهام المطلوبة ؟

مزيد من التفاصيل
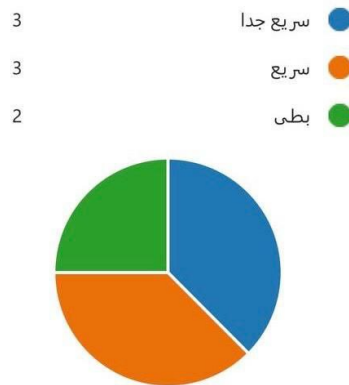
سريع جدا 3

سريع 3

بطى 2

Figure 2: results 1

In this statistic, we found that 3/00 of customers receive their products at the required speed, 3/00 receive them at an average speed, and 2/00 of those who face problems with the delivery speed.

4. هل واجهت اي مشاكل تقنية اثناء الاستخدام
؟

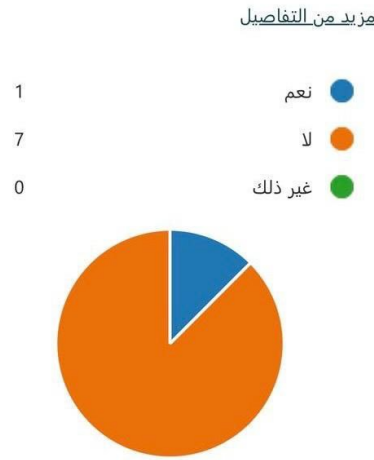|		
🔵 نعم	1	
🟠 لا	7	
🟢 غير ذلك	0	

Figure 3: results 2
This statistic indicates that 90 of customers do not face any technical problems and 10 face some
problems that we are working to fix.

5. مامدى رضاك عن المنتجات التي يقدمها
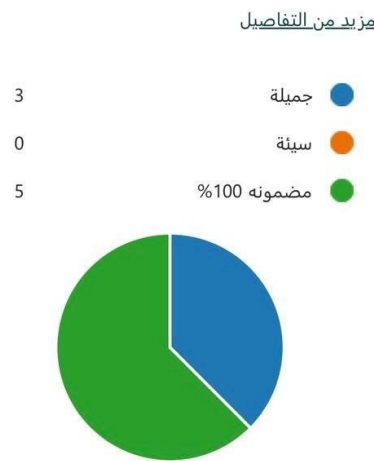التطبيق ؟

🔵 جميلة	3	
🟠 سيئة	0	
🟢 مضمونه 100%	5	

Figure 4: results 3
In these statistics, we find that 70 of people find our products to be very reliable and 30 find them to
be very beautiful.

٨. هل يخدم تطبيقنا جميع احتياجاتك ؟

مزيد من التفاصيل

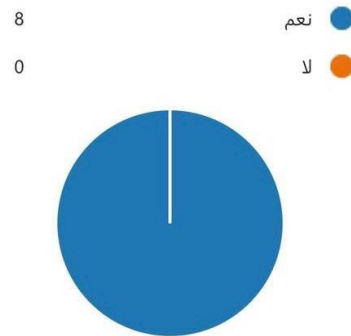|	
نعم ●	8
لا ●	0

Figure 5: results 4

We find in this statistic that our application serves all customer needs with 100 accuracy and excellence.

٩. مامدى رضاك عن تطبيق النهدي

مزيد من التفاصيل

4.13

متوسط التصنيف

المستوى 5: 4 (50%)
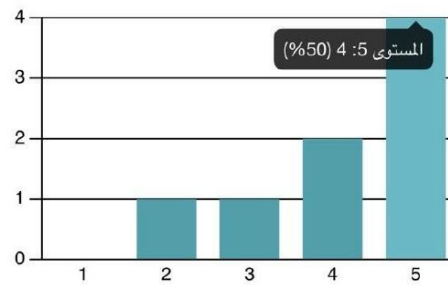
Figure 6: results 5

We find that the level of our customers' satisfaction with the application is average, because there are some improvements that the application needs.

1.4.2 Conclusion

Based on the survey results, a set of challenges faced by users were identified, particularly with regard to the technical performance of the system. In addition, feedback on the products was guaranteed, there is room for improvement in ease of use.Focus on improving the technical performance of the system by addressing the slowness issue and improving the search process.

2 Chapter:2

2.1 Introduction

This section explains the requirements that the application is obligated to meet, how they work, and how the system uses these requirements. There are two types of them: functional and non-functional. They are explained in detail

2.2 Functional Requirements

2.2.1 User Interface:

A user interface is designed to be easy for customers to interact with and can include elements such as buttons, menus, and icons.

2.2.2 Product Management:

a list has been allocated in the database with all available products, their prices, product details, and the reason for needing the product. As for electrical appliances, a simple electronic document has been provided explaining how to use them.

2.2.3 Search and filter:

system The application has a search system using the product name or the need for the product. All available products are displayed.

2.2.4 Medical Team:

a specialized medical team has been appointed to serve customers Receive prescriptions and dispense the appropriate medication to the customer according to his needs And create some awareness files and publish them in the application to help customers take care of their health.

2.2.5 Shopping :

the products available in the cart are calculated And their number inside the cart After completing the order, the method is chosen such as (cash on delivery, electronic payment).

2.2.6 Determining the location:

the location is determined by the customer and the order is delivered as quickly as possible. The employees in the application are keen to deliver the medicine in less than 24 hours to avoid any health problems or complications with the customer.

2.3 Non-Functional Requirements

2.3.1 Ease of use:

In the context of user experience (UX) and design, usability is a multifaceted term that encompasses the overall ease of using a software application, website, or digital product. It is a fundamental aspect of product design and development, playing a pivotal role in determining how effectively users interact with a digital system. Ease of use is crucial to creating functional and user-friendly interfaces that not only serve their intended purpose, but also attract and maintain user engagement. To ensure the highest level of usability, it is essential to integrate usability principles into the entire software development cycle. As part of the iterative process, conducting usability tests, user feedback sessions, and user-centered design practices are integral to improving the user experience. Traditionally, usability testing involves observing users as they complete tasks using the product, allowing designers and developers to identify potential user experience issues and make necessary adjustments. Therefore, the Nahdi application is easy to use and understand through the icons shown in the application.

2.3.2 Efficiency:

It refers to the mechanism or method by which you will manage your plans. The goal of efficiency is to achieve the desired results at the lowest possible cost, whether that is by reducing time or effort or by reducing the cost of products or managed resources. In other words, efficiency focuses on how you will go about accomplishing the tasks and goals you want. The degree to which the product allows users to complete tasks quickly and without unnecessary steps, which simplifies the user experience.

2.3.3 Satisfaction:

The feeling of pleasure and satisfaction that users feel while interacting with the product, which enhances the positive connection with the brand.

2.3.4 Security:

It is the set of protocols and policies defined to ensure that the application is protected from security errors, compliant data collection, and information privacy is maintained throughout the lifecycle of the application in the name of application security. All your files, databases, cloud drives, web URL feeds, and data stored in all other applications are secured, and strict security protocols and compliance with data privacy laws are adhered to. Therefore, the Nahdi application provides a data management and privacy feature that keeps your data confidential.

2.3.5 Maintenance:

It is the continuous updating, analysis, modification, and re-evaluation of your existing software applications. Application maintenance should be an ongoing task to ensure that your applications are always running at their best. As customer expectations evolve, the struggle to survive in the current market, and technological advancements advance, modifying and implementing new strategies is crucial to maintaining sustainability and remaining competitive. Every competitive company needs to constantly improve and manage its developed IT solutions in order to stay relevant and meet the fluctuating needs of users. It facilitates the continuous updating and maintenance of the application.

2.3.6 Integrity:

It is one of the values and principles adopted by successful companies ,The simplest concept of the value of integrity is to do things right without being monitored, and thus be trustworthy, and it is a very important value that should be applied in various companies and institutions, because it helps to promote a positive environment in the workplace, and gives people the qualities of respect, trust and responsibility. Nahdi application is characterized by honesty and integrity and does what is right whether within the institution or with its guests or with the comm unity as a whole, they want to do what is good. By doing what is right.

2.4 Conclusion

these requirements explain how to keep users' information secure, ease of use, how members work, and the tasks they are assigned.

3 Chapter:3

3.1 Introduction

this section discusses the interfaces and a simple explanation of them and how they work, with pictures of them that show how they work, in addition to the existing icons and ease of use. It distinguishes you with ease of use that suits all categories.

3.2 Application Interfaces

The design of application interfaces is one of the most important factors that determine the success of all applications or websites. The main goal of application interfaces is the aesthetics of the visual aspect of the site or application, which includes the visual elements in the design, the arrangement of elements, choosing the appropriate style for the brand, choosing icons, colors, fonts, and the rest of the design elements. We will talk about the interfaces of the Nahdi application, which are:

Figure 7: Interfaces 1

Flash offers, new Nahdi, vitamins and supplements, trends, medicines, global products, baby nutrition, hair care, skin care, personal care, makeup, health care, healthy foods, explore featured choices, best selling vitamins, personal care devices, skin care offers, Nahdi brands, best brands, Nahdi electronic services.

Figure 8: Interfaces 2
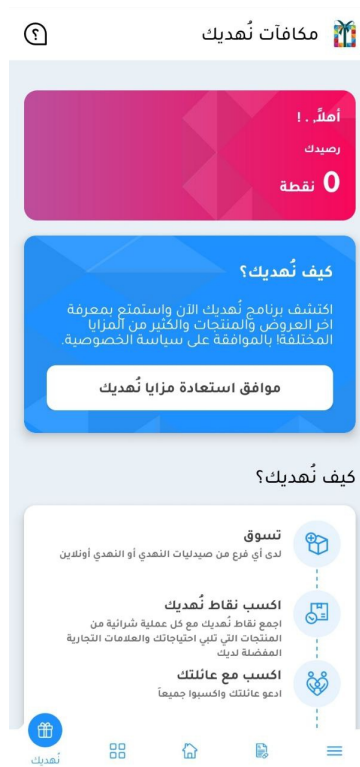The sections within the application explain.

Figure 9: Interfaces 3
This interface contains a number of points, how do we give you? , frequently asked questions, and
consent to restore the benefits of Nadhik.

Figure 10: Interfaces 4
In this interface, you have to choose the type of request, either a new prescription or an approval number. You can also ask the pharmacist and consult a doctor through this page.
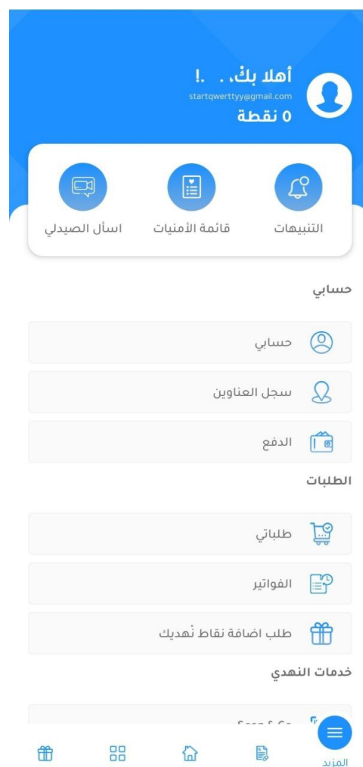

Figure 11: Interfaces 5
It contains alerts, wish list, ask the pharmacist, account, requests, Nahdi

3.3 Models System

This diagram shows how the application works, the work of the application members, and the tasks they perform. The application members are the user, the doctor, and the pharmacist.
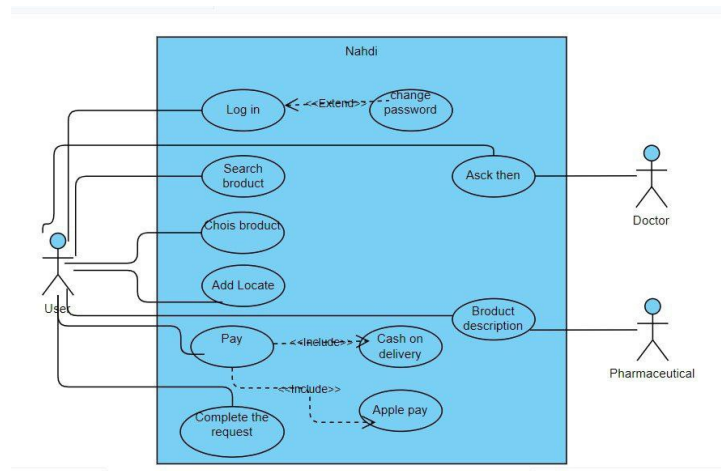

Figure 12: Use cause

- User: The user logs in, then selects his requests and determines his location. The requests are placed in the basket and their price is calculated. He also has the option of medical consultation or medication prescription. He can send his prescription to the doctor and the appropriate medication is determined for him.

- Doctor: The doctor reads the prescriptions sent and determines the appropriate medication and creates awareness files to spread health awareness.

- Health Consultant: The health consultant sets appointments for medical consultations and video calls with patients to understand and solve their problems. This is done in complete privacy.

3.4 System architectures

3.4.1 Server

Our application server (cloud server) is flexible and high performance. It stores data, backs up and processes data.

3.4.2 language

Al Nahdi Pharmacy application includes iOS and Android users, so only Python and Java languages were used in its programming because they are good languages and of a very high level.

3.4.3 Database

Nahdi Pharmacy application is based on SQL database. Al Nahdi Pharmacy application stores in the database the names of medicines, doctors, buyers, locations to which medicines are delivered, and medical consultation times.

Products table

```
+------------+--------------+------------------------+--------------+------------------+
| ProductsID | ProductsName | ProductsSection        | ProductsPrice | ProductExpiryDate |
+------------+--------------+------------------------+--------------+------------------+
|          1 | Clera        | Skin Care              |        87.65 | 2026-11-05       |
|          2 | Dave         | Perfumes               |       400.00 | 2025-01-12       |
|          3 | Ava          |  Vitamins & Supplements |        75.20 | 2024-12-07       |
+------------+--------------+------------------------+--------------+------------------+
```

Figure 13: Enter Caption

3.4.4 Module

pharmaceutical	User	Doctor
Namepharmaceutical	UserName	DoctorName
Idpharmaceutical	IdUser	IdDoctor
NumberPhone	Password	NumberPhone

3.5 Conclusion

In this chapter, we talked about the application interface, which is the visual and interactive elements through which users interact with a mobile application or computer program. It serves as a bridge between the user and the basic functions of the application. Also, we talked about the system models and its architecture, which helped us visualize its structure, behavior, and interactions, and by dividing complex phenomena into controllable parts and clarifying their connections.

4   Conclusion

Finally, we talked about what is the Nahdi application? We talked about the survey we conducted, the results of this survey, the functional and non-functional requirements, the application interfaces, the system models, and also the system architecture. We hope you liked it.

4.1 References

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- Outlet

https://outletpharmacyonline.sa

-Shams https://mallsruh.com/shop/6854

-Sidalih.com

https://sidalih.com/?tw$_s$ource $= googletw_a did = tw_c ampaign = 21013150034 gad_s ource = 1 gclid = CjwKCAjwg24BhB_E iwA1ZOx8quRN5qYEPDhnteE5auWIQZiD3nGqYgnhx5SgnHzeLSGLJIIkmoS0BoCDsQQ$