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**Cairo University**  
**Faculty of Engineering**  
**Computer Department**

**Find My Drug**  
**Software Requirements Specification (SRS)**  
**Version: 1.0**  
**G5\_SE02\_v1.0**

## Revision History

SEC/BN	Prepared/ Modified by	E-mail	Version	Date	Approved by	Descriptions/ Remarks
2/6	Kerollos Eshak	kero_es7ak@hotmail.com	<1.0>	<March,20 <sup>th</sup> ,2017>		Added section 3,4,7
2/11	Mohamed Abd Elhady Ali	<a href="mailto:mohamed_abdelhady96@hotmail.com">mohamed_abdelhady96@hotmail.com</a>	<1.0>	<March,20 <sup>th</sup> ,2017>		Added section 5
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### Distribution list

Name	E-mail	Notes
Eng/Lydia Wahid	ENG.LYDIAWAHID@HOTMAIL.COM	
Dr/ Ahmed Kassab		

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# Software Requirements Specification

## 1. Introduction

### 1.1 Purpose

The purpose of this document is to give a detailed description of the requirements for 'Find My Drug' website.

It will illustrate a complete declaration for the development of the website's system, the system's constraints under which it must operate and interactions with any external applications.

This document is primarily intended as a reference for developing the first version of 'Find My Drug' website, for the development team and it will be proposed to the customer for its approval.

### 1.2 Scope

'Find My Drug' is a service provider website that provides a platform for searching for drugs in the nearby pharmacies.

The website aims to reduce patients' suffering from the drug unavailability problem. It facilitates finding drugs by reducing the time you would take to manually search for drugs in pharmacies.

### 1.3 Definitions, Acronyms and Abbreviations

<b>DBMS</b>	Database Management system
<b>US</b>	User Story
<b>UC</b>	Use case
<b>NFR</b>	Non Functional Requirement
<b>DB</b>	Database
<b>LE</b>	Egyptian Pound
<b>FB</b>	Facebook
<b>PHMCS</b>	Pharmacies
<b>PHMC</b>	Pharmacy

### 1.4 References

[1] Laravel PHP Framework version 5.4 documentation.

[2] jQuery mobile UI Framework version 1.4.5 documentation

### 1.5 Overview

The remainder of this document includes six chapters, the second one provides information about other similar services to 'Find My Drug', the third one briefly discusses the cost estimate of implementing the system and deploying it.

The fourth chapter goes over the feasibility of this project from different aspects, like if this system can be engineered using current technology and within budget and time constraints.

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The fifth chapter provides the requirements specification in detail and a description of the different system interfaces, the sixth one goes over a schedule of all iterations of the project.

## 2. Market Survey

### 2.1 *Pharmacychecker*

#### 2.1.1 *Project Description*

*Pharmacychecker is a website which provides a tool to search for drugs , getting a list of pharmacies having this drug , comparing different pharmacies prices and contact with a certain pharmacy to order your drug .*

#### 2.1.2 *Functional Specifications*

##### 2.1.2.1 **Drugs**

###### 2.1.2.1.1 **Searching for a drug**

The user shall be able to search for a specific drug by its name and get a list of all pharmacies –which have a partnership with pharmacychecker- having that drug.

###### 2.1.2.1.2 **Comparing prices**

The user shall be able to compare certain drug prices in different pharmacies.

###### 2.1.2.1.3 **Local and Global pricing**

The user shall be able to get the local and global price of a drug .

###### 2.1.2.1.4 **Drug details**

The user shall be able to read a certain drug details if he searched for that drug

###### 2.1.2.1.5 **Ordering drug**

The user shall be able to order drug from a specific pharmacy

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## 2.1.2.2 Pharmacies

### 2.1.2.2.1 Rating a pharmacy

The user shall be able to rate a pharmacy after successful shipping.

### 2.1.2.2.2 Reviewing a pharmacy

The user shall be able to write a review for a specific pharmacy.

### 2.1.2.2.3 Viewing all pharmacies

The user shall be able to get a list of all pharmacies and links to their profiles.

### 2.1.2.2.4 Reporting a pharmacy

The user shall be able to report a specific pharmacy.

### 2.1.2.2.5 Pharmacies meet critical safety standards

The user shall be able to get a list of pharmacies which meet the critical safety standards.

## 2.1.2.3 Navigation through the site

### 2.1.2.3.1 Blog for news

The system shall provide a blog for latest drugs' articles.

### 2.1.2.3.2 Slideshow

The system shall provide a slideshow section to share the website goals and aims with the users .

### 2.1.2.3.3 In the news

The system shall provide an “In the news “ section which highlights what media outlets are saying about pharmacychecker.

### 2.1.2.3.4 Patients Assistance Program

The system shall provide an alternatives to users who cannot afford expensive drugs .

## 2.1.3 Non-Functional Specifications

### 2.1.3.1 Security

The system shall be secure since credit cards are stored in the database there must be good security to protect them.

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### **2.1.3.2 Usability**

The system shall be flexible regarding searching tool since not every patient know exactly the name of the drug he wants.

### **2.1.3.3 Legality**

The system shall be legal and in accordance to law.

### **2.1.3.4 Impartiality**

The system shall be impartial and not partial to some pharmacies due to some business issues.

### **2.1.3.5 Efficiency**

The system shall be efficient specially regarding drugs shipping , drugs shall be shipped within a week.

## **2.1.4 Limitations**

### **2.1.4.1 Limited delivery**

The website only deliver drugs to usa citizens

### **2.1.4.2 Pharmacies**

1. Pharmacies which wants to register to a partnership must have a website .
2. Only few pharmacies are available in the website .

### **2.1.4.3 Drugs**

1. The website doesn't handle well different names for same drug.

### **2.1.4.4 Efficiency**

2. Searching tool isn't pretty efficient at all .
3. The website database isn't up-to-date , since there is no synchronizing between the website database and pharmacies database.

## **2.2 Egyptian Medical Index**

### **2.2.1 Overview**

*Egyptian Medical Index is a mobile app which simply helps you to search for a specific drug , to get its current price , searching for a specific pharmacy to get its location or even searching for a hospital to get its information*



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## **2.2.2 Functional Specifications**

### **2.2.2.1 Drugs**

#### **2.2.2.1.1 Searching for a drug**

The user shall be able to search for a specific drug and get in return its information , price and even its chemical structure.

### **2.2.2.2 Pharmacies**

#### **2.2.2.2.1 Searching for a pharmacy**

The user shall be able to search for pharmacies and get in return the pharmacy location and information about the pharmacy.

### **2.2.2.3 Hospitals**

#### **2.2.2.3.1 Searching for a hospital**

The user shall be able to search for a hospital and get in return its information including its location .

### **2.2.2.4 Doctors**

#### **2.2.2.4.1 Search for a doctor by name**

The user shall be able to search for a specific doctor by his name.

#### **2.2.2.4.2 Search for a doctor by speciality**

The user shall be able to search for doctors by their specialities.

#### **2.2.2.4.3 Search for a doctor by city name**

The user shall be able to search for doctors in a specific city .

## **2.2.3 Non-Functional Specifications**

### **2.2.3.1 Up-to-date**

The system shall be up-to-date with new updates in drugs prices

### **2.2.3.2 Efficiency**

The system shall be very fast regarding returning search results.

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### 2.2.3.3 Accuracy

The system shall be accurate regarding the information it gives to users about drugs/pharmacies.

### 2.2.3.4 Fast to learn

The user shall learn everything about the application service within 4 clicks ( the application only has 4 tabs each tab represents searching tool for doctors or drugs or pharmacies or hospitals).

## 2.2.4 Limitations

### 2.2.4.1 Database

The application database is relatively small since many drugs are not in the application database as well as many pharmacies and hospitals.

### 2.2.4.2 Lagging

The application suffer from lagging and freezing

### 2.2.4.3 No drug-pharmacy relation

The user cannot find out the pharmacy having the drug he searched for.

## 2.3 Summary

### 2.3.1 Functional Specifications

#### *Essential Specifications*

#### 2.3.1.1.1 Drugs

##### 2.3.1.1.1.1 Searching for a drug

The user shall be able to search for a specific drug by its name and get a list of all pharmacies having this drug.

##### 2.3.1.1.1.2 Drug details

The user shall be able to read a certain drug details if he searched for that drug.

#### 2.3.1.1.2 Pharmacies

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#### **2.3.1.1.2.1      *Searching for a pharmacy***

The user shall be able to search for a specific pharmacy and get its location.

#### **2.3.1.1.2.2      *Viewing all pharmacies***

*The user shall be able to view all pharmacies according to some filters he chose.*

### **2.3.1.2    *Non-Essential Specifications***

#### **2.3.1.2.1      **Reporting****

*The user shall be able to report a specific pharmacy.*

#### **2.3.1.2.2      **Rating****

*The user shall be able to rate a specific pharmacy.*

#### **2.3.1.2.3      **Reviewing****

*The user shall be able to review a specific pharmacy.*

#### **2.3.1.2.4      **Pharmacies' profile****

*The user shall be able to view pharmacies profiles.*

### **2.3.2    **Non-Functional Specifications****

#### **2.3.2.1    *Essential Specifications***

##### **2.3.2.1.1      **Efficiency****

The system shall be efficient regarding searching tools and other services that the system provides.

##### **2.3.2.1.2      **Up-to-date****

The system database shall be up-to-date with new drugs added or updated as well as pharmacies

##### **2.3.2.1.3      **Accuracy****

The system shall be accurate about the information it provides for drugs and pharmacies.

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### 2.3.2.2 Non-Essential Specifications

#### 2.3.2.2.1 Fast to learn

The system shall be easy to learn all of its services within few clicks and navigations.

#### 2.3.2.2.2 Lagging

The system shall not suffer from lagging.

### 2.3.3 Limitations

1. All the previous services lack the big database and link of drug and pharmacies having that drug in an accurate way.
2. The previous services don't serve all countries .
3. Ordering a drug is limited to specific countries.
4. Only few pharmacies are available in the previous services

## 3. Cost Estimate

Item	Estimated Cost	
	US Dollars	L.E.
<b>1. Development Cost</b>		
1.1. Developer Cost/hour	30	480
1.2. Total Developers Cost/hour	140	1920
Total	170	2400
<b>2. Deployment Cost</b>		
1.1 Domain Cost/year	52	832
1.2 Hosting Cost/year	60	960
Total	112	1783
<b>Total Estimated Cost</b>	282	4138

**Table 2: Cost Estimate**

## 4. Feasibility Study

### 5.3.1. Economic & Technical Feasibility Study :

This project is going to be developed at a sufficient cost so that it will be acceptable by all clients that need such type of applications.

Concerning the technical aspect, it is possible to develop the system using current technology and the available tools : PHP, Laravel Framework , MySQL , Java script , HTML ,CSS .

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### 5.3.2. Organisational Feasibility study :

Our software application provides a solution for ordering a drug.it saves a lot of effort for both pharmacies and customers . so in this way we are reducing costs and time wasted

wasted and also we are promoting flexibility efficiency and personalization.

### 5.3.3. Integrability Feasibility study :

We are developing a cross-platform software application.we are making a web and mobile application. also our website will be responsive so that it can be user-friendly and easily viewed on so many devices (mobile phones ,tablets ,etc...).

## 5. Requirements Specifications

### 5.1 User Requirements (User Stories)

#### Customer Stories:

#### 5.1.1 :

ID	TITLE	DESCRIPTION	PRIORITY
CS01	Generic Searching	A customer can search for drug by typing in the search bar	High

#### 5.1.2 :

ID	TITLE	DESCRIPTION	PRIORITY
CS02	Categorical Searching	A customer can search for specific drug in categories	Medium

#### 5.1.3 :

ID	TITLE	DESCRIPTION	PRIORITY
CS03	Sending Note	A customer can send a note to the pharmacist if he couldn't find the required drug	Medium

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#### **5.1.4 :**

ID	TITLE	DESCRIPTION	PRIORITY
CS04	Requesting Drug	A customer can click on the required drug and get the nearest pharmacy which has the drug	High

#### **5.1.5 :**

ID	TITLE	DESCRIPTION	PRIORITY
CS05	View Pharmacy	A customer can view information of the pharmacy which has the required drug	High

#### **5.1.6 :**

ID	TITLE	DESCRIPTION	PRIORITY
CS06	Change Pharmacy	A customer can get the next nearest pharmacy which sells the drug	High

### **Pharmacist Stories:**

#### **5.1.7 :**

ID	TITLE	DESCRIPTION	PRIORITY
PS01	Editing info	A pharmacist can edit the pharmacy's information like phone number and name etc ..	Medium

#### **5.1.8**

ID	TITLE	DESCRIPTION	PRIORITY
PS02	Accepting Drug	A pharmacist can accept drug request	High

#### **5.1.9**

ID	TITLE	DESCRIPTION	PRIORITY
PS03	Reporting Users	A pharmacist can report a user	High

#### **5.1.10**

ID	TITLE	DESCRIPTION	PRIORITY
PS04	Decline Drug Request	A pharmacist can decline a drug request	High

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### 5.1.11

ID	TITLE	DESCRIPTION	PRIORITY
PS05	Requests History	A pharmacist can view his request history	Low

### 5.1.12

ID	TITLE	DESCRIPTION	PRIORITY
PS06	Login	A pharmacist can view Login	High

### 5.1.13

ID	TITLE	DESCRIPTION	PRIORITY
PS07	Logout	A pharmacist can logout	Low

### 5.1.14

ID	TITLE	DESCRIPTION	PRIORITY
PS08	Pending Requests	A pharmacist can view pending requests	High

## Visitor (Pharmacy Applicant) Stories:

### 5.1.15

ID	TITLE	DESCRIPTION	PRIORITY
VS01	Apply For Pharmacy	A visitor can apply for having a pharmacist account by filling the form	High

### 5.1.16

ID	TITLE	DESCRIPTION	PRIORITY
VS02	Edit Application	A visitor can edit his previous form after clicking submit	Medium

## Admin Stories:

### 5.1.17 :

ID	TITLE	DESCRIPTION	PRIORITY
AS01	Accept/Reject Pharmacy Application	An Admin can accept or reject pharmacy Application	High

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### **5.1.18 :**

ID	TITLE	DESCRIPTION	PRIORITY
AS02	View Applications	An Admin can View Current Applications	Medium

### **5.1.19 :**

ID	TITLE	DESCRIPTION	PRIORITY
AS03	Edit Application	An Admin can edit the application information before accepting it	Medium

### **5.1.20 :**

ID	TITLE	DESCRIPTION	PRIORITY
AS04	View Reports	An Admin can view reports on customer	High

### **5.1.21 :**

ID	TITLE	DESCRIPTION	PRIORITY
AS05	Block User	An Admin can block a customer	Medium

### **5.1.22 :**

ID	TITLE	DESCRIPTION	PRIORITY
AS07	Login	An Admin can login	High

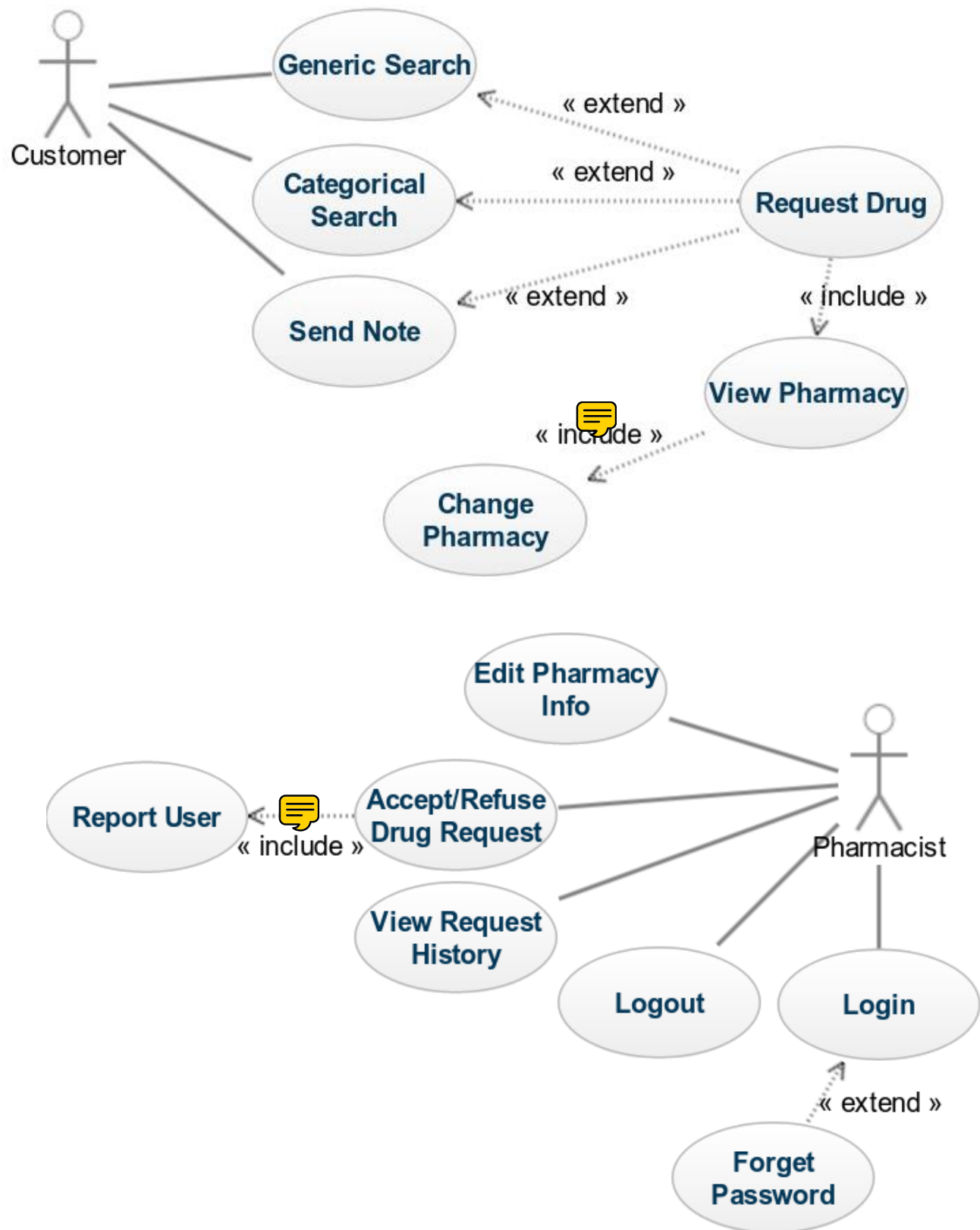
### **5.1.23**

ID	TITLE	DESCRIPTION	PRIORITY
AS06	Logout	An Admin can logout	High

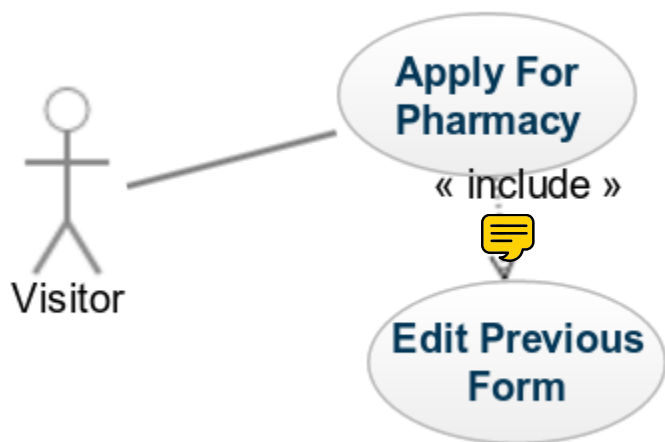
## **5.2 System Requirements (Use Cases)**



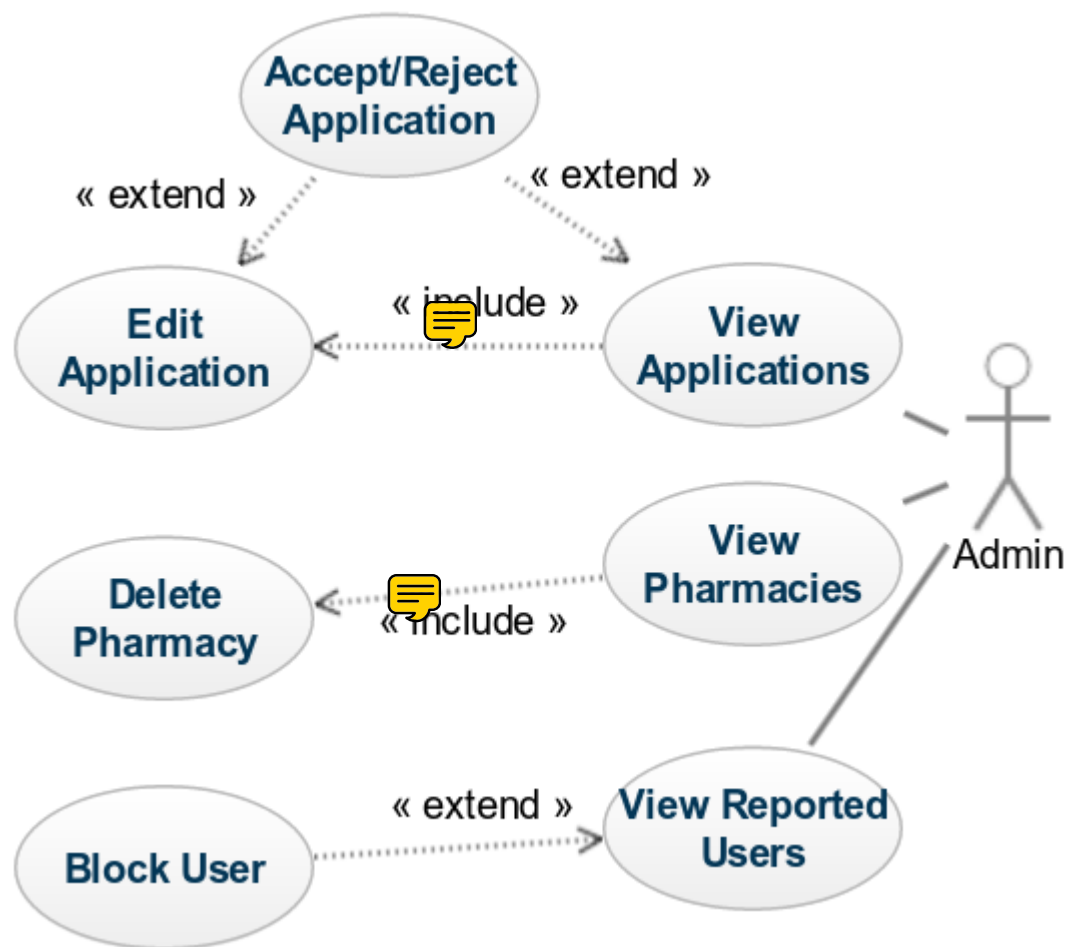
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### 5.2.1

**Name:** Pharmacy Login

**Identifier** UC01

#### Preconditions

1. user must not be logged in first

#### Basic Course

1. Use case begins when the user opens the website and chooses to login as a pharmacy
2. Use case ends when the user enters a valid username and password then he'll be directed to the pharmacy's homepage.

#### Alternate Course A:

**Condition:** user enters non valid username or password

A.6 inform the user that there is an error and redirect him to the previous page and show "forgot your password?" button.

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#### Post conditions

1. user can view his pharmacy's homepage

Map to: PS06

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### 5.2.2

**Name: Change own Info**

**Identifier** UC02

#### Preconditions

1. user is logged in

#### Basic Course

1. Use case begins when the pharmacist **views the edit my info page**
2. pharmacist changes the required info
3. Use case ends when the user enters the password to validate the editing and saves

#### Alternate Course A:

**Condition: some fields are left empty or containing invalid info**

A.7 user gets an indicative message showing the field which he entered wrong

A.8 user is redirected to the previous page

#### Post conditions

1. info is edited and user is redirected to the home page

Map to: PS01

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### 5.2.3

**Name: View Drug Requests**

**Identifier** UC03

#### Preconditions

1. user must be logged in as a pharmacy

#### Basic Course

1. Use case begins when the **user receives a drug request or the user opens the requests tab**
2. Use case ends when the user accepts or declines the request

#### Alternate Course A:

**Condition: pharmacist finds offensive note or excessive requests by the same customer**

A.9 pharmacists reports the customer

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#### **Post conditions**

1. the pharmacist returns to requests page

**Map to:** PS08

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### **5.2.4**

**Name:** View Requests History

**Identifier** UC04

#### **Preconditions**

1. user is logged in as a pharmacy

#### **Basic Course**

1. Use case begins when the user clicks on view requests history
2. Use case ends when the user changes to another page

#### **Alternate Course A:**

**Condition:** there is no previous requests

A.10 an indicative message is shown

#### **Post conditions**

1. nothing changes user stays on the same page until he clicks on home page

**Map to:** PS05

---

### **5.2.5**

**Name:** Pharmacy Logout

**Identifier** UC05

#### **Preconditions**

1. user is logged in as pharmacy

#### **Basic Course**

1. Use case begins when user clicks on logout

#### **Post conditions**

1. user is redirected to login page

**Map to:** PS07

---

### **5.2.6**

**Name:** Generic Search

**Identifier** UC06

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#### Preconditions

1. user isn't blocked

#### Basic Course

2. Use case begins when user starts typing in the search bar
- 3.
4. Use case ends when the user hits enter and get the search results

#### Alternate Course A:

**Condition:** user doesn't find the drug he searched for

A.6 user is offered to send a note or try Categorical searching

#### Post conditions

1. user gets a list of drugs matching what he typed

Map to: CS01

---

### 5.2.7

**Name:** Categorical searching

**Identifier** UC07

#### Preconditions

1. user isn't blocked

#### Basic Course

1. Use case begins when the user choses to browse drugs by categories
2. Use case ends when the user finds his drug

#### Post conditions

1. user finds his drug

Map to: CS02

---

### 5.2.8

**Name:** Note Sending

**Identifier** UC08

#### Preconditions

1. user isn't blocked

#### Basic Course

1. Use case begins when user choses to send note to the pharmacies
2. user then choses what kind of note he wants to send (image/text)
3. Use case ends when user sends the note

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#### Post conditions

1. user is redirected to the waiting for reply from pharmacies page

Map to: CS03

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### 5.2.9

**Name: Requesting Drug**

**Identifier UC09**

#### Preconditions

1. user is not blocked
2. a drug is already chosen or a note has been selected

#### Basic Course

1. Use case begins when user chooses a drug by any method
2. Use case ends when the user gets the nearest pharmacy

#### Alternate Course A:

**Condition: no pharmacy replies**

A.7 user gets an indicative message

#### Post conditions

1. database is updated
2. a request is sent to the nearest pharmacies

Map to: CS04

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### 5.2.10

**Name: View Pharmacy**

**Identifier UC10**

#### Preconditions

1. user isn't blocked
2. user requested a drug
3. a pharmacy accepted the request

#### Basic Course

1. Use case begins when the user is waiting for the request and a pharmacy accepts it
2. Use case ends when the user gets information about the pharmacy

#### Post conditions

1. database is updates with all the requests data and the requests is removed
2. user can view another pharmacy which accepted the request

Map to: CS05,CS06

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### 5.2.11

**Name:** Apply For Pharmacy

**Identifier** UC11

#### Preconditions

1. user must not be logged in first

#### Basic Course

1. Use case begins when the user opens the website and chooses to Register as a pharmacy
2. Use case ends when the user clicks submit

#### Alternate Course A:

**Condition:** The user doesn't enter the main information about the pharmacy and the location

A.6 user gets an indicative message showing the field which he entered wrong

A.7 user is redirected to the previous page

#### Post conditions

1. the user's data and approve button is shown

**Map to:** VS01

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### 5.2.12

**Name:** Edit Application

**Identifier** UC12

#### Preconditions

1. the user apply for a pharmacy

#### Basic Course

1. Use case begins when the user is submitting the information
2. Use case ends when the user clicks submit

#### Alternate Course A:

**Condition:** Indicate what happened

The user doesn't enter the main information about the pharmacy and the location

A.6 user gets an indicative message showing the field which he entered wrong

A.7 user is redirected to the previous page

#### Post conditions

1. pharmacy's homepage is viewed

**Map to:** VS02

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### 5.2.13

**Name:** Accept or reject pharmacies' applications



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**Identifier:** UC13

**Preconditions**

1. Admin logged in as admin to have full access to accept or reject pharmacies' applications.
2. Admin navigated to control panel

**Basic Course**

3. Admin navigated to control panel.
4. Admin click on view pharmacies' applications button.
5. Admin accept or reject each pharmacy request.

**Alternate Course A:**

**Condition:** Pharmacy's form needs to be edited.

**Steps:**

3. Admin click on edit button on a certain form
4. Admin is navigated to edit panel
5. Admin edit the pharmacy's application form
6. Admin click on save

**Post conditions**

2. Database updated
3. Admin navigate to home page to see some statistics

**Map to:** AS01,AS02,AS03

---

## 5.2.14

**Name:** Block users

**Identifier :**UC14

**Preconditions**

2. Admin logged in and redirected to home page
3. Admin navigate to control panel

**Basic Course**

1. Admin navigate to control panel.
2. Admin click on view reports button.
3. Admin block a specific user

**Alternate Course A**

**Condition:** Admin decides not to block reported user

**Steps:**

1. Admin decides that reports on that user are not many enough.
2. Admin continue evaluating other reports

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#### Post conditions

1. Admin navigate to other tabs in the control panel.
2. Admin read more users' reports' statistics.
3. Admin navigate to home page to see more about the system statistics.

**Map to:** AS04, AS05

---

## 5.2.15

**Name:** Logging in

**Identifier:** UC15

#### Preconditions

1. Admin navigated to the application

#### Basic Course

1. Admin navigated to the application.
2. Admin entered his/her username and password
3. Admin becomes logged in .

#### Alternate Course A:

**Condition:** Invalid username or password

##### Steps:

4. Admin is asked to enter username or password again.
5. Admin is asked to click on forget password if he didn't remember his/her password

#### Alternate Course B:

**Condition:** User is already logged in

##### Steps:

3. Admin is offered a logout button to logout if he/she wants.
4. Admin is given a full access from the system to edit any of DB entries.

#### Post conditions

5. Admin navigates to home page
6. Admin navigates to control panel

**Map to:** AS07,AS06

---

## 5.3 Non-functional Requirements

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#### 5.3.4. Fast response time

**ID:**NFR1

**Description:** The System Should be able to respond **quickly** during any request such as Searching for drug or even navigating through the application.

**Addressing:**CS01,CS02,CS03,CS04

#### 5.3.5. Security

**ID:**NFR2

**Description:** The System shall be **highly secure** to prevent private pharmacies' information to be stolen.

**Addressing:**CS05,PS01

#### 5.3.6. Services

**ID:**NFR3

**Description:** The system should be dependable errors regarding drug requests should be minimized as possible.

**Addressing:**CS04,PS02,PS04

#### 5.3.7. Availability

**ID:**NFR4

**Description :** The system should be **available at all** times (patients' health may vary and drug availability matters).

**Addressing:**CS01,CS02,CS03,CS04,CS05,PS02,PS04

#### 5.3.8. Up-to-date

**ID:**NFR5

**Description:** The system should be up-to-date regarding pharmacies' and drug information.

**Addressing:**AS01,AS06

#### 5.3.9. Fast loading

**ID:**NFR6

**Description:** The system should load **fast** without lag .

**Addressing:** CS01,CS02,CS03,CS04,CS05,CS06

#### 5.3.10. Cross platform

**ID:**NFR7

**Description:** The system should operate on different platforms without errors.

**Addressing:**CS01,CS02,CS03,CS04,CS05,CS06

## 6. High level plan

Iteration 1:

User Stories	Estimated Time
CS02	2H

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CS04	4H
CS05	1H
PS02,PS03	4H
PS06,PS07	1H
PS08	5H
<b>Total Time</b>	17H

**Iteration 2:**

User Stories	Estimated Time
CS06	4H
PS01	1H
PS03	4H
PS05	1H
AS01,AS02,AS03	2H
AS04	1H
AS06,AS07	1H
<b>Total Time</b>	14H

**Iteration 3:**

User Stories	Estimated Time
1.CS01	4H
2.CS03	4H
VS01,VS02	4H
AS05	2H
<b>Total Time</b>	14H

**Table 1: High Level Plan**

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## 7. Supporting Information

### Appendix A Traceability Matrix

	PS							CS							VS		AS						
ID	01	02	04	05	06	07	08	01	02	03	04	05	06	01	02	01	02	03	04	05	06	07	
UC01					✓																		
UC02	✓																						
UC03							✓																
UC04				✓																			
UC05						✓																	
UC06								✓															
UC07									✓														
UC08										✓													
UC09											✓												
UC10												✓	✓										
UC11														✓									
UC12															✓								
UC13																✓	✓	✓					
UC14																			✓	✓			
UC15																					✓	✓	
NF1								✓	✓	✓	✓												
NF2	✓											✓											
NF3		✓	✓								✓												
NF4		✓	✓					✓	✓	✓	✓	✓											
NF5																✓					✓		
NF6								✓	✓	✓	✓	✓	✓										
NF7								✓	✓	✓	✓	✓	✓										

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## Appendix B

### Dependability Matrix

	PS								CS						VS		AS						
ID	01	02	03	04	05	06	07	08	01	02	03	04	05	06	01	02	01	02	03	04	05	06	07
PS01						✓																	
PS02						✓																	
PS03						✓																	
PS04						✓																	
PS05	✓	✓	✓	✓	✓		✓	✓															
PS06						✓																	
PS07						✓																	
PS08						✓																	
CS01											✓	✓	✓	✓									
CS02																							
CS03										✓													
CS04										✓													
CS05										✓													
CS06										✓													
VS01																✓							
VS02															✓								
AS01																							✓
AS02																							✓
AS03																							✓
AS04																							✓
AS05																							✓
AS06																							✓
AS07																	✓	✓	✓	✓	✓	✓	

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**Version Control tool :GIT**

**web-based Git repository  
hosting service :GITHUB**