

# Software Requirement Specification Document

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## 1 Introduction

### 1.1 Purpose of this document

Is identify the project boundaries and describe functionality of project and to the intended audiences and anyone who wants to participate in the future development.

### 1.2 Scope of this document

Provide a short description of the software being specified and its purpose, including relevant benefits, objectives, and goals.

### 1.3 Overview

provide the user with the nearest pharmacies according to the desired medicine and providing the pharmacy an access to the user profile

### 1.4 Business Context

Advertisements  
yearly subscription of pharmacies

## 2 General Description

### 2.1 Product Functions

Our project (ADwytee) helps people to reach the medicine they seek in the fastest way possible, help pharmacists to find more customers by connecting as many as pharmacies to our database server, help the customer to find the nearest pharmacy has the desired medicine and find more info about the medicine , the pharmacy ,and help pharmacies to keep track of patient history .. etc

## **2.2 Similar System Information**

Standalone project

## **2.3 User Characteristics**

Normal people ,pharmacies and companies(normal users) developer(we will provide an API that allows the developers to create applications that it compatible with our servers for future developments)

## **2.4 User Problem Statement**

Medicine lack, high search time for medicine , the difficulty of finding alternatives for certain medicine

## **2.5 User Objectives**

Find medicine in nearest pharmacy with highest precision with least effort and possible alternatives

## **2.6 General Constraints**

Provide easy user interface with least complexity provide API compatible with multiple platforms

# **3 Functional Requirements**

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# **4 Interface Requirements**

Our software will provide an API so it will provide an access for any other software development

## **4.1 User Interfaces**

The interface with user will be easy and simple to insure that he will find the medicine

### **4.1.1 GUI**

//ADD SCREENSHOT

### **4.1.2 CLI**

...

#### **4.1.3 API**

//TODO KAREEMZ

#### **4.1.4 Diagnostics or ROM**

Apache web server

### **4.2 Hardware Interfaces**

User may use Barcode reader for easier accessibility.

### **4.3 Communications Interfaces**

Will mainly relay on network connection

### **4.4 Software Interfaces**

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## **5 Performance Requirements**

None

## **6 Design Constraints**

Must be easy to use interface with simple adds included

### **6.1 Standards Compliance**

### **6.2 Hardware Limitations**

### **6.3 others as appropriate**

## **7 Other non-functional attributes**

Database access from pharmacies

- 7.1 Security
- 7.2 Binary Compatibility
- 7.3 Reliability
- 7.4 Maintainability
- 7.5 Portability
- 7.6 Extensibility
- 7.7 Re-usability
- 7.8 Application Affinity/Compatibility
- 7.9 Resource Utilization
- 7.10 Serviceability
- 7.11 others as appropriate

## 8 Preliminary Object-Oriented Domain Analysis

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### 8.1 Inheritance Relationships

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### 8.2 Class descriptions

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#### 8.2.1 Class name

...

#### 8.2.2 List of Superclasses:

...

#### 8.2.3 List of Subclasses:

...

#### 8.2.4 Purpose:

...

#### **8.2.5 Collaborations:**

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#### **8.2.6 Attributes:**

...

#### **8.2.7 Operations**

: ...

#### **8.2.8 Constraints:**

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### **9 Operational Scenarios**

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### **10 Preliminary Schedule Adjusted**

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### **11 Preliminary Budget Adjusted**

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### **12 Appendices**

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#### **12.1 Definitions, Acronyms, Abbreviations**

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#### **12.2 Collected material**

### **13 References**