
Software Requirements Specification

for

<GRPharmacy>

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Prepared by <student>

<organization>

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Table of Contents

Table of Contents	ii
Revision History	ii
1. Introduction.....	1
1.1 Purpose.....	1
1.2 Document Conventions	1
1.3 Intended Audience and Reading Suggestions	1
1.4 Product Scope	1
1.5 References.....	1
2. Overall Description.....	2
2.1 Product Perspective.....	2
2.2 Product Functions	2
2.3 User Classes and Characteristics	2
2.4 Operating Environment.....	2
2.5 Design and Implementation Constraints	2
2.6 User Documentation	2
2.7 Assumptions and Dependencies	3
3. External Interface Requirements.....	3
3.1 User Interfaces	3
3.2 Hardware Interfaces	3
3.3 Software Interfaces.....	3
3.4 Communications Interfaces.....	3
4. System Features.....	4
4.1 System Feature 1	خطأ! الإشارة المرجعية غير معروفة.
4.2 System Feature 2 (and so on).....	خطأ! الإشارة المرجعية غير معروفة.
5. Other Nonfunctional Requirements.....	5
5.1 Performance Requirements	5
5.2 Safety Requirements.....	5
5.3 Security Requirements.....	6
5.4 Software Quality Attributes	6
5.5 Business Rules	6
6. Other Requirements	6
Appendix A: Glossary	6
Appendix B: Analysis Models.....	6
Appendix C: To Be Determined List	6

Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

نظام إدارة صيدلية يقوم بإدارة العمليات التي تتم داخل الصيدلية

1.2 Document Conventions

هذا التوثيق موجه للمطورين ومختبري المنتج ومدير المشروع والزبون والأشخاص التي تستخدم نظام إدارة الصيدلية , يحتوي هذا التوثيق على الوصف العام للمنتج وأهدافه وتفاصيل استخدامه والوظائف والخدمات التي يقدمها البرنامج.

اقتراحات القراءة: الأفضل قراءة كامل المستند من جميع القراء.
للزبون ومستخدمي المنتج : يمكن التخصص في قراءة قسم ال *System Features*

1.3 Intended Audience and Reading Suggestions

<Describe the different types of reader that the document is intended for, such as developers, project managers, marketing staff, users, testers, and documentation writers. Describe what the rest of this SRS contains and how it is organized. Suggest a sequence for reading the document, beginning with the overview sections and proceeding through the sections that are most pertinent to each reader type.>

1.4 Product Scope

هو نظام يقوم بإدارة عمل الصيدلية من : إدارة المعاملات مع مستودعات الأدوية وإدارة المخزون الموجود في الصيدلية وإدارة مبيعات للزبائن وإدارة خدمة الزبائن عن طريق النت

1.5 References

<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.>

2. Overall Description

2.1 Product Perspective

<Describe the context and origin of the product being specified in this SRS. For example, state whether this product is a follow-on member of a product family, a replacement for certain existing systems, or a new, self-contained product. If the SRS defines a component of a larger system, relate the requirements of the larger system to the functionality of this software and identify interfaces between the two. A simple diagram that shows the major components of the overall system, subsystem interconnections, and external interfaces can be helpful.>

2.2 Product Functions

هذا المنتج البرمجي موجه للصيديات ويتيح إدارة المخزون وإدارة معاملات الصيدلي مع المستودعات وإدارة عمليات البيع كما يتيح عرض الخدمة للزبائن عن طريق النت كما يتيح لهم حجز وصفة للصيدلية .

2.3 User Classes and Characteristics

- مستخدم هذا النظام :

2.4 Operating Environment

موقع ويب يحتاج إلى توافر الانترنت في الصيدلية , ويمكن استخدام جهاز barcode إذا أراد إدخال الأدوية عن طريقه , وطباعة لطباعة تقارير فواتير البيع للزبائن

2.5 Design and Implementation Constraints

<Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer's organization will be responsible for maintaining the delivered software).>

2.6 User Documentation

<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>

2.7 Assumptions and Dependencies

<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from another project, unless they are already documented elsewhere (for example, in the vision and scope document or the project plan).>

3. External Interface Requirements

3.1 User Interfaces

<Describe the logical characteristics of each interface between the software product and the users. This may include sample screen images, any GUI standards or product family style guides that are to be followed, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and so on. Define the software components for which a user interface is needed. Details of the user interface design should be documented in a separate user interface specification.>

3.2 Hardware Interfaces

<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

3.3 Software Interfaces

<Describe the connections between this product and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>

3.4 Communications Interfaces

<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication

standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>

4. System Features

4.1 ادارة المعاملات مع مستودعات الأدوية:

- 1- ادخال مستودع جديد:
 - ادخال معلومات خاصة بالمستودع: (المكان ,الاسم,رقم الهاتف ,اسم العميل ,إيميل العميل,هاتف العميل, ملاحظات اضافية)
- 2- ادخال فاتورة شراء من مستودع:
 - اختيار اسم المستودع
 - ادخال تاريخ الفاتورة
 - اضافة انواع الأدوية المشتراة من المستودع :
 - لكل نوع يتم (اختيار اسم المنتج و اضافة تاريخ الصنع وتاريخ انتهاء الصلاحية والكمية وسعر الصيدلي وسعر البيع)
 - Z اضافة التاريخ المتاح للارجاع
- 3- عرض المستودعات :
 - عرض المستودعات التي تتعامل معها الصيدلية حسب الترتيب الأبجدي وعرض الفواتير الخاصة بكل مستودع
- 4- ارجاع للمستودع:
 - يتم انشاء فاتورة ارجاع خاصة بالمستودع ترتبط بفاتورة الشراء الأساسية
 - يتم تحديد تاريخ الارجاع والعناصر المرجعة والكمية المرجعة من كل عنصر
 - يتم تحديد الحسم على سعر الفاتورة الأساسي.

4.2 ادارة مخزون:

- 1- عرض الموجودات والكمية المتبقية من كل منتج:
 - عرض تفاصيل دفعات الأدوية : (اسم المستودع ,اسم المنتج,اسم الشركة,تاريخ انتهاء الصلاحية ,الكمية المتبقية ,الكمية المباعة)
 - البحث حسب اسم الشركة , اسم الدواء , المستودع
- 2- عرض التنبيهات:
 - تنبيه اقتراب انتهاء الصلاحية لمنتج ما(حسب المدة التي يحددها الصيدلي)
 - تنبيه اقتراب انتهاء الكمية المتبقية في المستودع
- 3- ادخال دواء جديد:
 - اسم المنتج
 - اسم الشركة المصنعة

4.3 ادارة المبيعات :

- 1- انشاء فاتورة زبون :
 - يتم عرض تاريخ الفاتورة ورقمها
 - اضافة الأدوية المشتراة من قبل الزبون الى الفاتورة ويتم عرض اسم الدواء وسعره والكمية المشتراة منه
 - حساب السعر الكلي للفاتورة
 - طباعة الفاتورة .

- 2- **مرتجع زبون :**
- عند ارجاع الزبون لاحد الادوية يتم انشاء صفحة ارجاع وربطها بالفاتورة الاساسية عن طريق رقم الفاتورة
 - يحدد تاريخ الارجاع والعناصر المرجعة
 - يحسم سعر المنتجات المرجعة من الفاتورة الاساسية.

- 3- **حساب الأرباح :**
- يتم عرض الأرباح الناتجة من كل منتج
 - عرض الأرباح الكلية خلال فترة معينة يحددها المستخدم

4.4 خدمة الزبائن عن طريق النت:

- 1- **عرض الأدوية الموجودة في الصيدلية :**
- يتم عرض اسم الدواء و الملاحظات المدخلة عنه وسعره
 - إمكانية البحث عن دواء حسب الاسم
- 2- **حجز فاتورة عن طريق الانترنت:**
- يدخل الزبون معلومات خاصة به (الاسم – رقم الهاتف)
 - يختار الأدوية التي يريد شراءها من الصيدلية
 - يتم عرض السعر الاجمالي للفاتورة
- 3- **اشعارات الفواتير:**
- تظهر للصيدلي اشعارات للفواتير المحجوزة من قبل الزبائن وتاريخ حجزها
 - يتيح تسديد الفاتورة المحجوزة وتضاف الى الفواتير
 - يتم تجاهل الفاتورة (الغاءها) في حال لم يتم تسديدها خلال فترة (يحددها الصيدلي)

5. Other Nonfunctional Requirements

5.1 Performance Requirements

<If there are performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.>

5.2 Safety Requirements

<Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product's design or use. Define any safety certifications that must be satisfied.>

5.3 Security Requirements

<Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.>

5.4 Software Quality Attributes

<Specify any additional quality characteristics for the product that will be important to either the customers or the developers. Some to consider are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. At the least, clarify the relative preferences for various attributes, such as ease of use over ease of learning.>

5.5 Business Rules

<List any operating principles about the product, such as which individuals or roles can perform which functions under specific circumstances. These are not functional requirements in themselves, but they may imply certain functional requirements to enforce the rules.>

6. Other Requirements

<Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>

Appendix A: Glossary

<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>

Appendix B: Analysis Models

<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>

Appendix C: To Be Determined List

<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>