 System Requirement Specification

Document Name

[Date]

# 

Table of Contents

[Document Information 3](#_Toc55374328)

[Document History 3](#_Toc55374329)

[Final Document Approval 3](#_Toc55374330)

[Abbreviations & Definitions 4](#_Toc55374331)

[Introduction 5](#_Toc55374332)

[1. Purpose 5](#_Toc55374333)

[2. References 5](#_Toc55374334)

[Solution overview 6](#_Toc55374335)

[1. Product Perspective 6](#_Toc55374336)

[2. Product Scope 6](#_Toc55374337)

[2.2 Scope Diagram 6](#_Toc55374338)

[2.3 Scope 6](#_Toc55374339)

[3. User Classes and Characteristics 6](#_Toc55374340)

[4. Risks 6](#_Toc55374341)

[5. Operating Environment “Architect Role 7](#_Toc55374342)

[6. Design and Implementation Constraints Architect Role 7](#_Toc55374343)

[7. User Documentation KT team 7](#_Toc55374344)

[8. Assumptions and Dependencies 7](#_Toc55374345)

[8.1 Key Assumptions 7](#_Toc55374346)

[8.2 Dependencies 7](#_Toc55374347)

[External Interface Requirements 8](#_Toc55374348)

[1. User Interfaces another team 8](#_Toc55374349)

[2. Hardware Interfaces Architect Role 8](#_Toc55374350)

[3. Software Interfaces Architect Role 8](#_Toc55374351)

[4. Communications Interfaces Architect Role 8](#_Toc55374352)

[Functional Requirements 9](#_Toc55374353)

[1. Actors and their Roles and Responsibilities Permissions 9](#_Toc55374354)

[2. Workflow “Activity Diagram” 10](#_Toc55374355)

[3. Use Case Diagram 11](#_Toc55374356)

[4. Tractability MATRIX 12](#_Toc55374357)

[Use Cases 13](#_Toc55374358)

[*UC-001* 13](#_Toc55374359)

[Nonfunctional Requirements 15](#_Toc55374360)

[1. Performance Requirements 15](#_Toc55374361)

[2. Security Requirements 15](#_Toc55374362)

[4.1 Data Validation 15](#_Toc55374363)

[ Client and Server-side validation 15](#_Toc55374364)

[4.2 Authentication 15](#_Toc55374365)

[ Use of strong user passwords 15](#_Toc55374366)

[ Communication of username and password in clear text 15](#_Toc55374367)

[ User triggered password change 15](#_Toc55374368)

[ User password change process 15](#_Toc55374369)

[ Logon failure message 15](#_Toc55374370)

[ Successful login message 15](#_Toc55374371)

[ Client and server side 15](#_Toc55374372)

[3. Software Quality Attributes 15](#_Toc55374373)

[ Usability Requirements: 15](#_Toc55374374)

[ Reliability and Up-time Requirements: 15](#_Toc55374375)

[ Maintainability & Upgradability Requirements: 15](#_Toc55374376)

[ Load test: 15](#_Toc55374377)

[ Language Requirements: 15](#_Toc55374378)

[4. Business Rules 17](#_Toc55374379)

[5. Messages 17](#_Toc55374380)

[Other Requirements “optional” 18](#_Toc55374381)

[Appendix 19](#_Toc55374382)

[Analysis Models 19](#_Toc55374383)

# Document Information

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## Document History

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## Final Document Approval

Electronic approvals will be stored to confirm that this document will serve as the System Requirements Specification.

|  |  |  |
| --- | --- | --- |
| Name | Role | Signature / Date |
| <Insert Customer Name> |  |  |
| IQVIA |  |  |

# Abbreviations & Definitions

|  |  |
| --- | --- |
| Term / Acronym | Definition |
|  |  |

# Introduction

## Purpose

<Identify the product whose software requirements are specified in this document, including the revision or release number. Describe the scope of the product that is covered by this SRS, particularly if this SRS describes only part of the system or a single subsystem.>

## 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.>

|  |  |  |  |
| --- | --- | --- | --- |
| Name of document | Version | Date | Document Location |
|  |  |  |  |

# Solution overview

## 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.>

## Product Scope

<Provide a short description of the software being specified and its purpose, including relevant benefits, objectives, and goals. Relate the software to corporate goals or business strategies. If a separate vision and scope document is available, refer to it rather than duplicating its contents here, and can be referenced by the BRD and CR>

### Scope Diagram

The Scope diagram defines what within the scope of the technology track of the system



>>Example<<

### Scope

Provides the reader with the operations that will implement in the system and that will determine in the document with an explanation of each item

## User Classes and Characteristics

<Identify the various user classes that you anticipate will use this product. User classes may be differentiated based on frequency of use, subset of product functions used, technical expertise, security or privilege levels, educational level, or experience. Describe the pertinent characteristics of each user class. Certain requirements may pertain only to certain user classes. Distinguish the most important user classes for this product from those who are less important to satisfy.>

## Risks

## Operating Environment “Architect Role

<Describe the environment in which the software will operate, including the hardware platform, operating system and versions, and any other software components or applications with which it must peacefully coexist.>

## Design and Implementation Constraints Architect Role

<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).>

## User Documentation KT team

<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.>

## Assumptions and Dependencies

### Key Assumptions

This section provides the summary of overall assumptions and constraints.

|  |  |
| --- | --- |
| Sr. NO | Description |
|  |  |

Table 1 : Assumptions

### Dependencies

This section provides the list of both internal and external dependencies for the solution:

|  |  |
| --- | --- |
| Sr. NO | Description |
| D-001 |  |
|  |  |
|  |  |

Table 2: Dependencies

# External Interface Requirements

## User Interfaces UI Team

<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.>

## Hardware Interfaces Architect Role

<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.>

## Software Interfaces Architect Role

<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.>

## Communications Interfaces Architect Role

<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.>

# Functional Requirements

## Actors and their Roles and Responsibilities Permissions

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Group | Permissions | Business Rules |
|  |  |  |  |

## Workflow “Activity Diagram”

## Use Case Diagram

## Tractability MATRIX

|  |  |  |  |
| --- | --- | --- | --- |
| ID | UC Title | UC Desc. | Actors |
|  |  |  |  |

**Table 1: Use Case Inventory**

# Use Cases

*UC-001*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Requirement ID** | **REQ-** | | | | | | | |
| **Description** |  | | | | | | | |
| **Primary Actor** |  | | | | **Secondary actor** | N/A | |
| **Pre-Condition** |  | | | | | | | |
| **Triggers** |  | | | | | | | |
| **Basic Flow** | | | | | | | | |
| **Actor Action** | | | **System Action** | | | | | |
|  | | |  | | | | | |
|  | | |  | | | | | |
|  | | |  | | | | | |
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|  | | |  | | | | | |
|  | | | . | | | | | |
| **Alternate Flow** | | | | | | | | |
| **Actor Action** | | | **System Action** | | | | | |
|  | | | . | | | | | |
|  | | |  | | | | | |
|  | | |  | | | | | |
| **Business Rules** | | | | | | | | |
|  | | | | | | | | |
| **Post-Condition** |  | | | | | | | |
| **Data Dictionary** | | | | | | | | |
| Name “Ar & Eng” | Data Type/Field type | Mandatory? | Initial Value | BR | Validation | | Comments |
|  | | | | | | | | |
|  |  |  |  |  |  | |  |
|  |  |  |  |  |  | |  |
|  | | | | | | | |
|  |  |  |  |  |  | |  |
| **Mockups** | **Figure 1:** | | | | | | | |
| **Additional Info.** |  | | | | | | | |

# Nonfunctional Requirements



## Performance Requirements

## Security Requirements

### Data Validation

### Client and Server-side validation

### Authentication

### Use of strong user passwords

### Communication of username and password in clear text

### User triggered password change

### User password change process

### Logon failure message

### Successful login message

### Client and server side

## Software Quality Attributes

### Usability Requirements:

### Reliability and Up-time Requirements:

### Maintainability & Upgradability Requirements:

### Load test:

### Language Requirements:

* Portal interfaces will be in English & Arabic Language only.

## Business Rules

|  |  |
| --- | --- |
| ID | BR Description |
| BR-01 |  |
|  |  |
|  |  |

## Messages

|  |  |  |
| --- | --- | --- |
| ID | BR Description (English) | BR Description (Arabic) |
|  |  |  |

# Other Requirements “optional”

<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

## Analysis Models

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