Software Requirements Specification

for

Clinic Reception SRS

Prepared by:

Lana Sleman

Carolin Hreqes

Raneem Drdr

Nagham Al Hasan

18 – Jun – 2020

Table of Contents

To do

# Introduction

## Purpose

The purpose of this document is to present a detailed description of the Clinic Reception System. It will explain the purpose and features of the system, the User interfaces of the system, what the system will do, explaining this through the diagrams. This document is intended for both the stakeholders and the developers of the system.

## Project Scope

This System will be a Reception System in a Clinic consisting of several different departments and several doctors in the department. This system will facilitate patient reservations, as well as facilitate the work of doctors in departments.

As the system will provide a simple interface for the doctor to view and add to the patient's medical file. Also, through this system, the patient can book an appointment remotely.

## Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Patient File |  |
| NID |  |
| Database |  |
| Precedent illness |  |
| Medication History |  |
| Social History |  |
| Family History |  |
| Genetic Diseases |  |
| Appointment |  |
| Complaint Onset |  |
| Complaint Last Occur |  |
| Reduce Factors |  |
| Complaint Frequency |  |
| Trigger Factors |  |
| Software Requirements Specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Stakeholder | Any person with an interest in the project who is not a developer. |
| User | Patient or Doctor. |

## Overview of Document

To do

# Overall Description

## System Environment

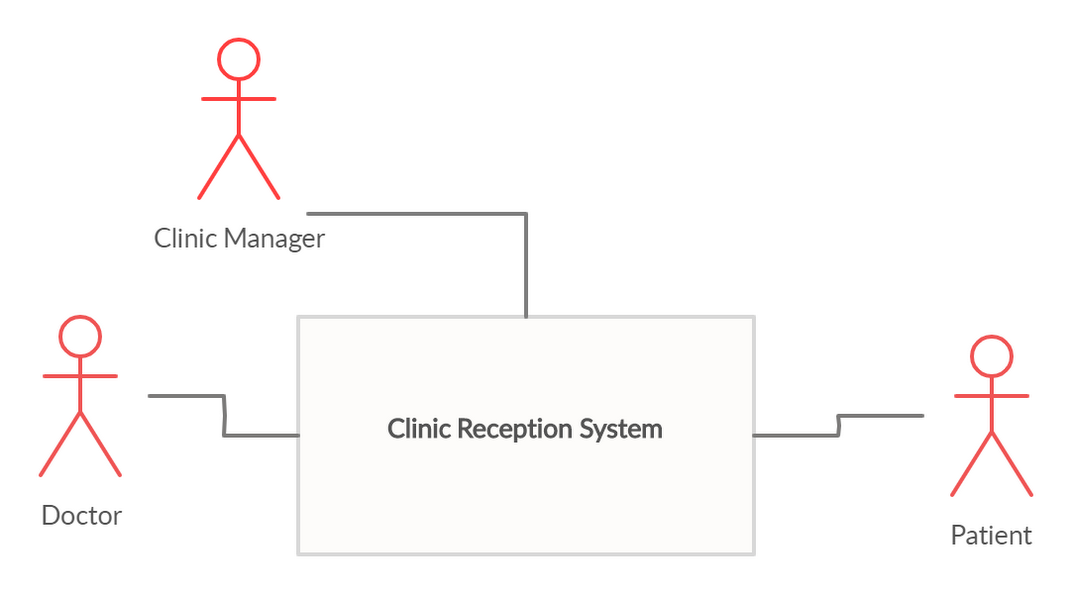


Figure ‎2‑1 System Environment

The Clinic Reception has three active actors. The Clinic Manager and Doctors, who can access the system in the clinic, and Patient, who can access the system through the internet.

## Functional Requirements Specification

This Section outlines the use cases for each active factor. The Diagram below shows the Use Cases Diagram of the System. We will go in details next.

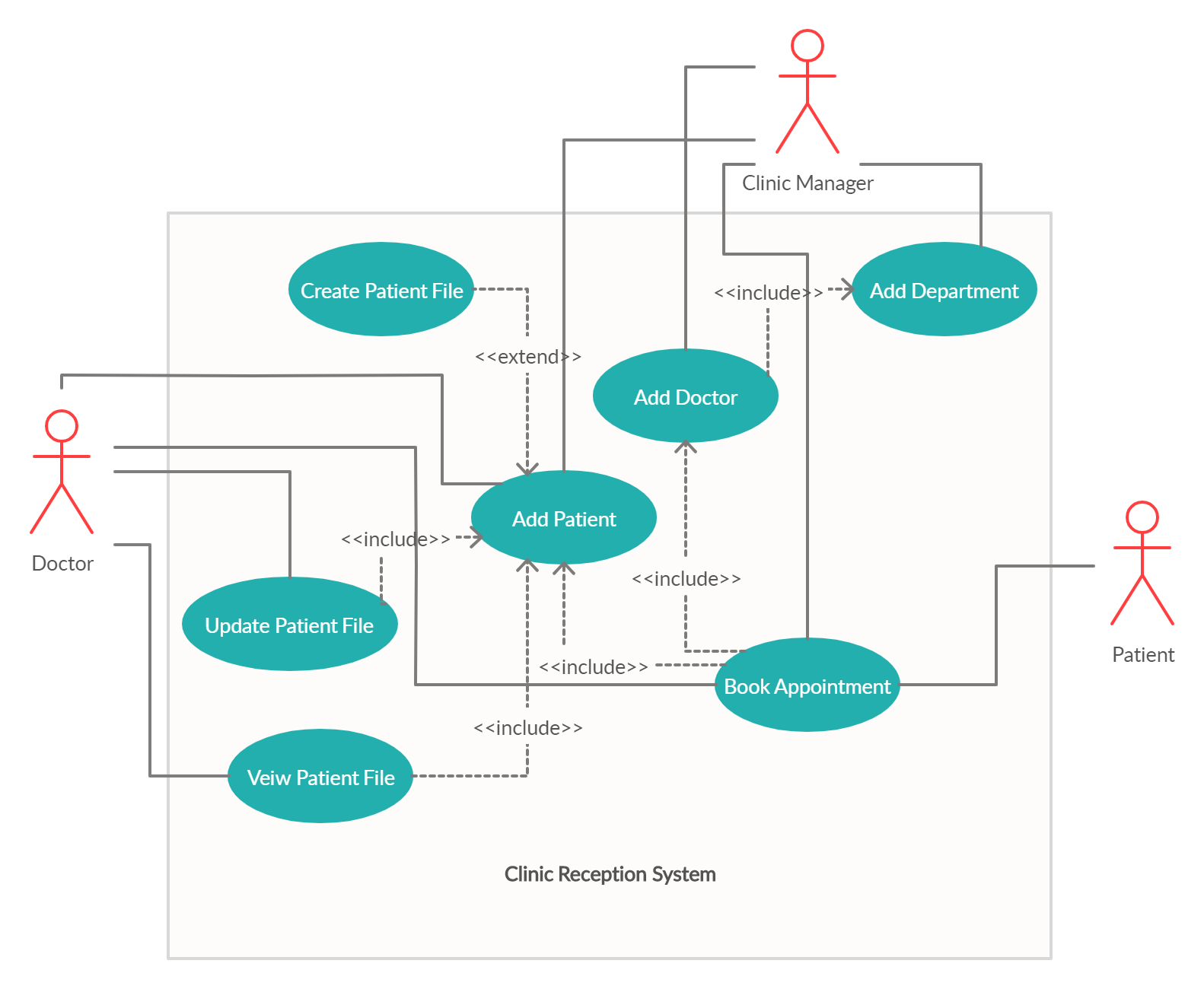


Figure ‎2‑2 Use Case Diagram

### Clinic Manager Use Cases

#### Use case: Add Department

**Diagram:**



**Brief Description**

The Clinic Manager Access the system and add department to the clinic.

**Initial Step-By-Step Description**

1. The Manager access the system.
2. The Manager choose “Add Department”.
3. The System returns a Success Response.

#### Use case: Add Doctor

**Diagram:**



**Brief Description**

The Clinic Manager Access the system and add a doctor to a specific apartment.

This Use Case Require *Add Department* Use Case.

**Initial Step-By-Step Description**

1. The Manager access the system.
2. The Manager choose “Add Doctor”.
3. The Manager Select the Department That New Doctor Belongs to.
4. The System returns a Success Response.

#### Use case: Add Patient

**Diagram:**



**Brief Description**

The Clinic Manager Access the system and add Patient.

This Use Case may extent *Create Patient File* Use Case.

**Initial Step-By-Step Description**

1. The Manager access the system.
2. The Manager choose “Add Patient”.
3. The System returns a Success Response.

#### Use case: Book Appointment

**Diagram:**



**Brief Description**

The Clinic Manager Access the system, Book Appointment for a specific patient at a specific doctor.

This Use Case Require *Add Doctor* and *Add Patient* Use Cases.

**Initial Step-By-Step Description**

1. The Manager access the system.
2. The Manager choose “Book Appointment”.
3. The Manager Search for the Patient.
4. The Manager Search for the Doctor.
5. The Manager Select the Time.
6. The System returns a Success Response.

### Doctor Use Cases

#### Use case: Add Patient

**Diagram:**



**Brief Description**

The Doctor Access the system and add Patient. But Doctor has permissions to add more details about Patient and his illness.

This Use Case may extent *Create Patient File* Use Case.

**Initial Step-By-Step Description**

1. The Doctor access the system.
2. The Doctor choose “Add Patient”.
3. The System returns a Success Response.

#### Use case: View Patient File

**Diagram:**



**Brief Description**

The Doctor Access the system and view Patient File.

This Use Case Require *Add Patient* Use Case.

**Initial Step-By-Step Description**

1. The Doctor access the system.
2. The Doctor Search for the Patient.
3. The Doctor Select “View Patient File”.
4. The System Shows the Patient File.

#### Use case: Update Patient File

**Diagram:**



**Brief Description**

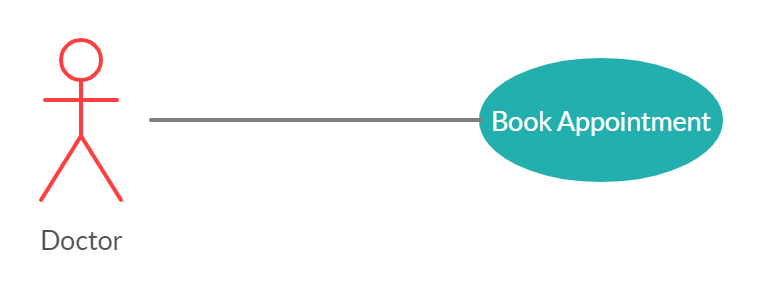
The Doctor Access the system and update patient file. Like adding more illness, the Patient has.

**Initial Step-By-Step Description**

1. The Doctor access the system.
2. The Doctor Search for the Patient.
3. The Doctor Select “Update Patient File”.
4. The Doctor Modifies Patient’s File.
5. The System returns Update Success.

#### Use case: Book Appointment

**Diagram:**



**Brief Description**

The Doctor Access the system and add book an appointment for a patient.

This Use Case Require *Add Patient* Use Case.

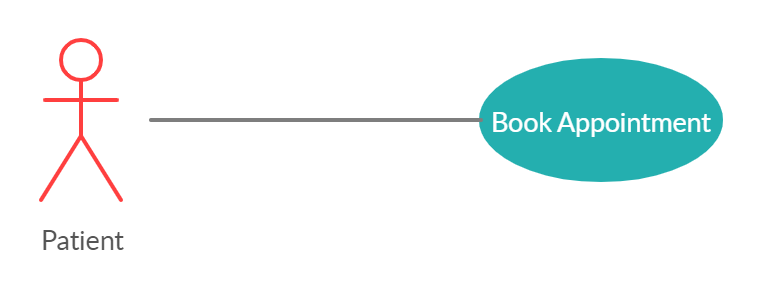
**Initial Step-By-Step Description**

1. The Doctor access the system.
2. The Doctor Search for the Patient.
3. The Doctor Select “Book Appointment”.
4. The Doctor choose Time.
5. The System returns Success Status.

### Patient Use Cases

#### Use case: Book Appointment

**Diagram:**



**Brief Description**

The Patient Access the system and add book an appointment at a specific doctor.

**Initial Step-By-Step Description**

1. The Patient access the system.
2. The Patient Search for the Doctor.
3. The Patient Select “Book Appointment”.
4. The Patient choose Time.
5. The System returns Success Status.

## User Characteristics

The clinic manager is expected to be familiar with the medical departments in general, able to classify doctors within their departments, and be able to use the computer efficiently.

The doctor expects him to be able to deal with patients 'data, amend it, and convert patients' general answers into accurate medical terms and is able to use the computer on average.

The patient is expected to be able to enter the Internet and deal with websites in general.

## Non-Functional Requirements