Case Study

Below is an excerpt from Online Hospital Blood Test Appointment Software Requirement Specification (SRS) document.

Online Hospital Blood Test Appointment

1.0 INTRODUCTION

1.1 PURPOSE

The purpose of this source is to describe the Online Hospital Blood Test Appointment system which provides the service for patients to make an appointment for their blood test namely,

- Registration of patients
- Make an appointment
- Confirmation of appointment
- Cancel appointment
- View profile
- Billing

2.0 OVERALL DESCRIPTION

2.1 PRODUCT PERSPECTIVE

It enables us to manage the details of patients and let the patients made an appointment for blood test service.

2.2 PRODUCT FUNCTIONS

2.2.1 REGISTRATION OF PATIENTS

Patients who want to use the online blood test appointment system must register with the following information

- Name
- Date of birth
- Identity card number
- Address
- Mobile number
- Upload photo of identity card
- Username and password

2.2.2 MAKE AN APPOINTMENT

Once the patients have successfully registered, the patients can login into the system to make an appointment for the blood test service. The patients can choose the available time allocated which is one hour apart. There is a limit of 15 appointment for each slot.

2.2.3 CONFIRMATION OF APPOINTMENT

An email confirming the appointment will be sent to the patients. It should be reminded that, an appointment has to be made at least 3 days or the most 3 months in advance.

2.2.4 CANCEL APPOINTMENT

The patient can cancel the successful appointment 1 day before the actual date. Reasons of cancellation should be given. Once a cancellation is successful, a free slot will be available.

2.2.5 VIEW PROFILE

Patients can view their personal detail and appointment history.

2.2.6 BILLING

The system should allow patients to make payment via online using debit or credit card.

3.0 PERFORMANCE REQUIREMENTS

- The system is available 24 hours daily.
- The system must perform as what the user expects without immediate delays.
- Opening of windows forms, displaying error messages, saving the settings or changing in between sessions must be below 2 seconds.
- Database queries, sorting or searching must be below 2 seconds.
- Login validation must be below 2 seconds.

4.0 SECURITY REQUIREMENTS

Use object-oriented mechanisms to protect its data passed using methods.