A REQUIREMENT SPECIFICATION FOR A HOSPITAL APPOINTMENT SYSTEM (HAS)

The purpose of this document is to define the requirements for the Hospital Appointment System (HAS). The intended audience of this document includes the owner of the administrator, the physician, the scheduler, the patient, and the various departments. It is also intended to provide guidance to the requirements team, requirements analyst, design team, and other members of the developing organization.

The hospital wanted to create a new appointment system where everything about hospital booking is done online. Therefore, the new appointment system will allow the following functionality online: to create an account, create folders, book appointment with any physician, pay hospital bills online, write reviews about the hospital. The physician may use the system to accept or decline bookings, track patient's progress and make medical procedure requests. The administrator may use the system to accept request from physicians, manage patient's database, schedule other staff members and resources, send notification messages to patients, physicians and various departments of the hospital. The scheduler may use the system to allocate requests from physicians and patients, send report to the administrator. The hospital appointment system is intended to improve physician to patient ratio, improve quality of healthcare delivery and eliminate long hours of waiting periods at the hospital.

Definitions, Acronyms, and Abbreviations

Scheduler	Personnel staff who is working at the hospital
Client	Anyone who interacts with the HAS with the potential of becoming a member.
Functional requirement	A service provided by the software system
Member	Anyone who registers with the HAS to acquire membership to the hospital
Non-functional requirements	A constraint on the system or how the system is developed
Administrator	The person with administrative power in the HAS
SRS	This Software Requirements Specification document
Timer	An event that causes an action to occur at a specified time
Physician ID	Unique number given to each physician
Statement	Printout showing an individual rental by a member. For each booking, it displays the department ID, physician id, and due date. It also shows consultation charges.
	Hospital Appointment System (the system under development)

II. General Description

A. Product Perspective

The HAS is a web-based system. The system interfaces with the administrators' email system, the physician's email, the client'semail system. The system provides a secure environment for all financial transactions and for the storing and retrieving of confidential member information.

Product Functions

The HAS will work on the basis of authentications and authorizations which will be achieved by providing the unique ID which is username and password to each user. The patient will be able to select of their desired date and time and also able to change if they want to.

The HAS will be used physicians to accept or decline bookings, track patient's progress and make medical procedure requests and prescriptions.

The system will accept request from physicians, manage patient's database, schedule other staff members and resources, send notification messages to patients, physicians and various departments of the hospital.

The HAS will allocate requests from physicians and patients, as well as generate and send reports to the administrator.

C. User Characteristics

The only skill needed by a client is the ability to browse a website.

D. General Constraints

This system provides web access for all customer and member functions. The user interface will be intuitive enough so that no training is required by clients and hospital personnel. All online financial transactions and the storage of confidential member information will be done in a secure environment.

III. Functional Requirements

1.1	The system shall provide registration for customers to become clients.
1.2	The system shall assign a client number and allow the client to select a password.
1.3	The system shall record client information for future use.
1.4	The system shall allow the client to tour other facilities of the hospital.
1.5	The system shall provide login security for consultation and prescription bills payments.
1.6	The system shall allow clients to interact with any physician .
1.7	The system shall allow clients to modify personal information.
1.8	The system shall allow a scheduler to process requests.

1.9	The system shall email due notices to clients.
1.10	The system shall send due notices one day before due date.
1.11	The system shall interface with the owner's email software.
1.12	The system shall allow the administrator to add new facilities and physicians.

IV. Non-Functional Requirements

2.1	The system shall provide web-access foe all clients and administrative functions.
2.2	The system shall store persistently client's information
2.3	The system shall provide intuitive user interface which requires no training
2.4	The system shall provide secure environment for financial transactions.