

DOWNLOAD PDF FUNCTIONAL REQUIREMENTS OF HOSPITAL MANAGEMENT SYSTEM

Chapter 1 : HOSPITAL MANAGEMENT SYSTEM Software Requirement Specification | Wichithra De Silva

Hospital Management System. SOFTWARE REQUIREMENT SPECIFICATION 1. Introduction The SRS is produced at the culmination of the analysis task. The function and performance allocated to software as part of the system engineering and refined by establishing a complete information description, a detailed functional description, a representation of system behavior, indication of performance.

The Functional Requirements Specification documents the operations and activities that a system must be able to perform. Functional Requirements should include: Descriptions of data to be entered into the system Descriptions of operations performed by each screen Descriptions of work-flows performed by the system Descriptions of system reports or other outputs Who can enter the data into the system How the system meets applicable regulatory requirements The Functional Requirements Specification is designed to be read by a general audience. Readers should understand the system, but no particular technical knowledge should be required to understand the document. Rapid Functional Requirement Creation Examples of Functional Requirements Functional requirements should include functions performed by specific screens, outlines of work-flows performed by the system, and other business or compliance requirements the system must meet. Download an example functional requirements specification or use these quick examples below. Interface requirements Field 1 accepts numeric data entry. Field 2 only accepts dates before the current date. Screen 1 can print on-screen data to the printer. Business Requirements Data must be entered before a request can be approved. Clicking the Approve button moves the request to the Approval Workflow. The system will limit access to authorized users. The spreadsheet can secure data with electronic signatures. Security Requirements Members of the Data Entry group can enter requests but can not approve or delete requests. Members of the Managers group can enter or approve a request but can not delete requests. Members of the Administrators group cannot enter or approve requests but can delete requests. Depending on the system being described, different categories of requirements are appropriate. System Owners, Key End-Users, Developers, Engineers, and Quality Assurance should all participate in the requirement gathering process, as appropriate to the system. Requirements outlined in the Functional Requirements Specification are usually tested in the Operational Qualification. Additional Comments The Functional Requirements Specification describes what the system must do; how the system does it is described in the Design Specification. If a User Requirement Specification was written, all requirements outlined in the User Requirement Specification should be addressed in the Functional Requirements Specification. If key end-users, developers, or engineers were involved with developing the requirements, it may be appropriate to have them sign and approve the document as well. Depending on the size and complexity of the program, the Functional Requirements Specification document can be combined with either the user requirements specification or the design specification. User Requirements describe the end-user requirements for a system. Functional Requirements describe what the system must do. Can I see an example of a functional specification? We have a sample functional specification for an Excel spreadsheet available for download. Contact us and ask us your question. Alternative Document Names and Acronyms The following terms or abbreviations are sometimes used: These documents generally serve the same purpose.

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Chapter 2 : What is the difference between functional and non functional requirement? - Stack Overflow

3. *SPECIFIC REQUIREMENTS Functional Requirements Design Constraints Non-Functional Requirements Security Performance Requirements Maintainability Reliability calendrierdelascience.com* SION 1. *Introduction Purpose The purpose of this document is to describe the requirements for the Hospital Patient Info Management System (HPIMS).*

Non of its data is copied from Net or Other Source. This article will give detailed view of all portions of HMS as a single subsystem. The intentions of the system are to reduce over-time pay and increase the number of patients that can be treated accurately. This Hospital Management System is an automated system that manages happenings of the hospital as Patient Info. Administrators are involved in the hospital management system. When a patient is admitted, the staff draughts to see if the patient is already exists in hospital records. Else a new PHN is set to this patient. If a patient checks out, the administrative staff shall delete his PHN from the system and the just evacuated bed is included in available-beds list. The system generates reports on the following information: List of detailed information regarding the patient who has admitted in the hospital Employee: The schedule of Operations depends on availability of Doctors. In the future, it is possible that the software design will have to incorporate changes that could take place in other hospital in the same domain. The patient record of all hospital in domain should have the same standard of data format and security of data when transferring between the hospitals also needed. Changes or additions about payment methods can affect the PMS directly. The first main screen which any user will see is the login page. Even though the other functions and buttons will be visible but user will not be able to use any of them until properly logged in. When logged in user will have full access to all functions. There will be simple pages to add view or delete data according to user requirements. In any way user will find the GUI very simple and very easy to use. All the management of hardware resources will be done by. HMS will itself do nothing as far as hardware is concerned. The user will just need to have. There is no need of any special equipment for HMS to run on any system. SO user will find a familiar interface while using HMS. The Following are Class Diagrams:

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Chapter 3 : What Features Should You Look For in a Hospital Management System?

From ensuring contract employee movements and activity lists to mandatory statutory requirements and from all important certification lists to their date of renewals, your hospital management system can take care of all.

ITâ€™ De Silva E. SRS is the agreement document between the client and the Software developer. Feedback to the Customer-This software requirement specification assures the project management stakeholders and client that the development team has really understood the business requirements documentation properly. This also provides confidence that the team will develop the functionality which has been detailed. Breaking the Requirements Down-This document is documented in such a way that it breaks the deliverables into smaller components which makes the participants in this project to understand what is to be done clearly. The information is organized in such a way that all the developers within the team will not only understand the boundaries within which we need to work, but also what functionality needs to be developed and in what order. Understanding what order the functionality will be developed in means that we, the developers will have the "big picture" view of the development. This gives us an opportunity to plan ahead which saves both project time and cost. Product Validation-It basically helps in validating with the client that the product which is being delivered, meets what they asked for. Which means that the product we have output is Equal to the standards of the documentation in the SRS which the client satisfied and agreed on. It helps the readers understand the requirements well. The fixed font size that has been used to type this document is 12pt with 1. It has used the bold property to set the headings of the document. All pages except the cover page are numbered, the numbers appear on the lower right hand corner of the page. Standard IEEE template is the template used to organize the appearance of the document and its flow. The SRS document can be used in any case regarding the requirements of the project and the solutions that have been taken. The document would final provide a clear idea about the system that is building. When patients arrive they make an appointment at the reception to consult a Doctor. These are being recorded in a file. Then again the patients diagnosed symptoms related disease details, ward details and other necessary details are being recorded and those files are being stored in special locations. Calculation of bills and inventory are done manually. As the current system is a file based one, management of the hospital has to put much effort on securing the files. They can be easily damaged by fire, insects and natural disasters. Also could be misplaced by losing data and information. Limited storage space of the files is another issue that they currently face when the management is manually done. There occurs an issue with the organization of data information and schedules and running the process methodically which leads to the manual system malfunctioning. Management will be in a great problem. Keeping files takes much time and waste much precious man hours. The tendency of making mistakes is high when functioning manually. It is hard to relay on the accuracy of calculations done manually too. It is more obvious for problems to arise. We plan to overcome the above mentioned problems through a standalone application, to manage the major functions of the Hospital System. The hospital management system we are going to implement will be covering all basic processes done in the hospital. So the staff does not need to spend time on writing appointment records and updating them in files. And the number issuing process becomes easier and efficient. And keeping the track of patients and medical prescription details allow them to review the details whenever needed. This is more efficient and more reliable and accurate as the system avoids incorrect data inputs whenever they are occurred. The pharmaceuticals used within the theatre are managed as well. Food menus for the patients according to their diseases based on wards is systemized too. All are digitalized in a systematic way. So the details of surgeons, patients and surgeries are well organized and can be easily accessed whenever needed. Surgery reports, Ward progress reports, In-ward patient progress details are generated and history can be tracked too. And reliable time slot management provides the 4 ITPMLB-WE â€™ Hospital Management System facility of checking the availability of the ambulances whenever required, and decide about a possible time they can fulfill a request. The proposed

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system provides a simple interface to gather quick information of the patient and record them. So that in a case of special request by an external party, details of the patient history can be accessed and viewed. The Pharmacy Stock Management system is responsible for proper management of drug stocks, pop ups the notifications of expiry dates of stock items. This system allow the client to keep track of medicine stocks , notify the personals when the stock is running out of items and help the manager to reduce stock levels and eliminate stock waste. The Lab Management System records sample collection details, keep track of lab resources and participate in lab reports conclusion generating. This increases the accuracy of report generating process and save a lot of time in manual handling of report details and improve the efficiency and the productivity of the organization. Our goal is to make a client satisfied system by full filling the client requirements and improving the current manual system with client needs which are not even particularly mentioned but what we have suggested by analyzing and got approved by the client to improve the standard of the system and of the management of the hospital to its utmost. The scope of the SRS is basically for everyone involved to understand and have an idea about how and what is going to happen in the system. How the interfaces finally appear. To have an idea about the new employees that the client might have to get employed when the system is implemented. When scenarios such as patient information handling, employee handling, stock handling, financial analysis and report generation is taken into consideration there exists many issues with regard to efficiency, security, accuracy and reliability. Due to improperly managed details medical center faces quite a lot of difficulties in accessing past data as well as managing present data. The manual file systems which are being used at present require storage facilities which is also another overhead. The fully functional automated hospital management system which will be developed through this project will eliminate the disadvantages caused by the manual system by improving the reliability, efficiency and performance. The usage of a database to store patient, employee, stock details etc. The access limitations provided through access privilege levels will enhance the security of the system. The system will facilitate concurrent access and convenient management of activities of the medical center. He is the highest privileged user who can access to the system. It will include the full description about the product and complete orderly followed steps to install the software. The users will get the opportunity to use the system without having any trouble. The user manual will include the email addresses to contact us in need. Tasks are listed alphabetically or logically grouped often using cross referenced indexes which helps the users to know exactly what sort of information they are looking for.

External Interface Requirements

3. To perform such Action it need very efficient computer otherwise due to that reason patients have to wait for a long time to get what they ask for. It will avoid chaos. And also display Hospital welcome screen, video, information etc. NICs may be used for both wired and wireless connections. Low cost and high data transmission rates.

User sele ts add patie t e try at ho e page 2.

Patient entry form displayed 3. User enter data to required fields 4. User sele ts Add entry utto 5. Successfully record added essage displayed. System generates a patient Id and display. Post conditions Patient record added to patient file.

Name	Issue	clinic numbers	Description
This function	assign a number to a patient for the relevant channeling.		

Actors Receptionist **Pre-conditions** Patient must register to the system **Main flow of events**

1. User sele ts ge erate a u er at OPD module. System prompts to select the clinic type. If OPD, generates next available number to available doctor and display number 4.
4. User confirm number and print card. Post conditions Patient channeling record should updated with patient details.

Main flow of events

1. User sele ts Pres riptio for from patient module 2. User enter system registration number 4. Prescription form displayed with relevant patient details. User a igates to tests field and selects prescribed test details 6. User navigates to vaccine field and select prescribed vaccine details 7. User navigates to edi i e field and enter medicine details. User enter re-consolation date. User selects Add button and add prescription details. User selects pri t and print the prescription details.

Name Calculate bill **Description** This function calculate total charge for the patient **Actors** Receptionist, cashier **Pre-conditions** THz patient must register to the system **Main flow of events**

1. User selects patient receipt card 2. System prompts patient registration number 3. User enter registration number 4.

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Chapter 4 : SRS documentation for Hospital Management System - Free Student Projects

HOSPITAL MANAGEMENT SYSTEM Software Requirement Specification The fully functional automated hospital management system which will be developed through this.

Chapter 5 : Top 20 Hospital Management Software - Compare Reviews

NON FUNCTIONAL REQUIREMENTS The non-functional attributes of the project are illustrated under various sections below: MAINTAINABILITY The system is developed in such a manner that its functionality can be enhanced to support further development in the system. USABILITY The system is designed to accept only registered user.

Chapter 6 : Sample - Software Requirements Specification for Hospital Info Management System - calendar

Non-functional requirements can be used to improve the functioning of the computer system, but not the management of the hospital as a whole. Functional requirements, on the other hand, are requirements.

Chapter 7 : Functional Requirements (Functional Requirement Specifications, Functional Specs, FRS, FS)

Purpose The purpose of this document is to describe the requirements of Hospital Information Management System(HIMS). This document is meant for all participants of the hospital sector - patients, staff, doctors and developers. Developers should consult this document and its revisions as the only source of requirements for the project.

Chapter 8 : Hospital Management System (HMS) Zohaib Shoket BSCS “ Computer Science Subjects

Non-functional requirements impose constraints on the design or implementation (such as performance engineering requirements, quality standards, or design constraints). 1. Introduction The following subsections of Software Requirement Specifications Document should facilitate in providing the entire overview of the Information system "Hospital Management System" under development.