Medical shop management system project

o Medical Shop Management System

o Medical Shop Management

o Medical Shop Management System Abstract

o Online Medical Shop System

o Medical Shop Software

o Medical Shop Project

o JB Medical Agency Webstock

o Store Management PPT

o Medical Shop Management System

o Medical Shop Management

o Medical Shop Management System Abstract

o Online Medical Shop System

o Medical Shop Software

o Medical Shop Project

o JB Medical Agency Webstock

o Store Management PPT

**Project Details:**

**Introduction**

**Title of the Project :** **Online clinic management system**

**Objectives :** The main objective is to develop the software that covers all theaspects of management and operations of clinics. It enables healthcare providers to improve operational effectiveness, reduce costs, reduce medical errors, reduce time consumption and enhance delivery of quality of care.

**Project category**

**Web-Based Software**

**Languages to be used:**

**Front End: PHP**

PHP is a server-side, cross-platform, HTML-embedded scripting language. PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

Currently there are over half a million domains running PHP.Much of PHP’s syntax is borrowed from C, Java and Pearl with a couple of unique PHP-specific features thrown in. The goal of the language is to allow web developers to write dynamically generated pages quickly. PHP eliminates the need for numerous small cgi programs by allowing you to place simple scripts directly in your HTML files. It also makes it easier to manage large web sites by placing all components of a web page in a single html file.

PHP is mainly focused on server-side scripting, so you can do anything any other CGI program can do, such as collect form data, generate dynamic page content, or send and receive cookies.

PHP can be [used](http://in3.php.net/manual/en/install.php) on all major operating systems, including Linux, many Unix variants (including HP-UX, Solaris and OpenBSD), Microsoft Windows, Mac OS X, RISC OS, and probably others. PHP has also support for most of the web servers today.

One of the strongest and most significant features in PHP is its support for a [wide range of databases](http://in3.php.net/manual/en/refs.database.php). Writing a database-enabled web page is incredibly simple using one of the database specific extensions (e.g., for [mysql](http://in3.php.net/manual/en/book.mysqli.php)), or using an abstraction layer like [PDO](http://in3.php.net/manual/en/book.pdo.php), or connect to any database supporting the Open Database Connection standard via the [ODBC](http://in3.php.net/manual/en/book.uodbc.php) extension. Other databases may utilize [URL](http://in3.php.net/manual/en/book.curl.php) or [sockets](http://in3.php.net/manual/en/book.sockets.php), like Couch DB.

**Back End: MySQL**

MySQL is the world's most popular open source database software, with over 100 million copies of its software downloaded or distributed throughout it's history. With its superior speed, reliability, and ease of use, MySQL has become the preferred choice for Web, Web 2.0, SaaS, ISV, Telecom companies and forward-thinking corporate IT Managers because it eliminates the major problems associated with downtime, maintenance and administration for modern, online applications.

MySQL is a open source Relational Database Manage.ment System. MySQL is very fast reliable and flexible Database Management System. It provides a very high performance and it is multi-threaded and multi user Relational Database management system.

MySQL is one of the most popular relational database Management System on the web. The MySQL Database has become the world's most popular open source  Database, because it is free and available on almost all the platforms. The MySQL can run on Unix , window, and Mac OS. MySQL is used for the internet applications as it provides good speed and is very secure. MySQL was developed to manage large volumes of data at very high speed to overcome the problems of existing solutions. MySQL can be used for variety of applications but it is mostly used for the web applications on the internet.

**Application Server: Xampp Server**

XAMPP is a [free and open source](http://software)[cross-platform](http://cross-platform)[web server](http://server)[solution stack](http://stack) package, consisting mainly of the [Apache HTTP Server](http://server), [MySQL](http://mysql)[database](http://database), and interpreters for scripts written in the [PHP](http://php) and [Perl](http://perl)[programming languages](http://language).

|  |
| --- |
|  |

XAMPP's name is an [acronym](http://initialism) for- X (to be read as "cross", meaning [cross-platform](http://cross-platform)),[Apache HTTP Server](http://server),[MySQL](http://mysql),[PHP](http://php),[Perl](http://perl).

The program is released under the terms of the [GNU General Public License](http://license) and acts as a free [web server](http://server) capable of serving dynamic pages. XAMPP is available for [Microsoft Windows](http://windows), [Linux](http://linux), Solaris, and [Mac OS X](http://x), and is mainly used for web development projects. This software is useful while you are creating dynamic webpages using programming languages like PHP, JSP, Servlets.

Requirements and features: XAMPP requires only one zip, tar, 7z, or [exe](http://exe) file to be downloaded and run, and little or no configuration of the various components that make up the web server is required. XAMPP is regularly updated to incorporate the latest releases of [Apache](http://server)/[MySQL](http://mysql)/[PHP](http://php) and [Perl](http://perl). It also comes with a number of other modules including [OpenSSL](http://openssl) and [phpMyAdmin](http://phpmyadmin).

Installing XAMPP takes less time than installing each of its components separately. Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another. It is offered in both a full, standard version and a smaller version.

Use: Officially, XAMPP's designers intended it for use only as a development tool, to allow website designers and programmers to test their work on their own computers without any access to the Internet. To make this as easy as possible, many important security features are disabled by default. In practice, however, XAMPP is sometimes used to actually serve web pages on the [World Wide Web](http://web). A special tool is provided to password-protect the most important parts of the package.

**IDE: (Integrated Development Environment)**

An integrated development environment (IDE) (also known as integrated design environment, integrated debugging environment or interactive development environment) is a [software application](http://application) that provides comprehensive facilities to [computer programmers](http://programmer) for [software development](http://development). An IDE normally consists of:

* a [source code editor](http://editor)
* a [compiler](http://compiler) and/or an interpreter
* [build automation](http://automation) tools
* a [debugger](http://debugger)

The boundary between an integrated development environment and other parts of the broader software development environment is not well-defined. Sometimes a [version control system](http://system) and various tools are integrated to simplify the construction of a [GUI](http://gui). Many modern IDEs also have a [class browser](http://browser), an object inspector, and a [class hierarchy](http://hierarchy)[diagram](http://diagram), for use with [object-oriented software development](http://programming).

We are using **Dreamweaver** as an IDE

**Software to be used in Project:**

**Front End**  : PHP

**Back End** : My SQL

**Application Server** : Xampp Server

**Operating System** : Windows, Linux.

**Hardware Requirements of the Project:**

**Processor** : Pentium-4 or above

**Processor Speed** : 2.00 GHz CPU

**RAM**  : 512 MB or above  
**Hard Disk Utilization** : 40 GB or above

**Structure of the Program:**

PolyClinic is web based application which covers all aspects of management and operations of clinics. This website covers features of Doctors Details, Patients Records, Online appointments, Patient reports, billings, Clinical tests, Medical store billings etc.

The project supports to administrator to access complete application, Patient takes appointment through Online/Offline, Doctors manages patient reports, Receptionist approves patient’s appointment and makes bill, and medical Store Administrator can view suggested prescription.

Each patients of the Polyclinic has a unique patient ID and password. By entering User ID and password patient can login to the polyclinic website and patient can view Appointment details, Patient reports, clinical tests, Billing, etc.

**Speciality of health care center:**

* Endoscopic Snus Surgery
* Micro-Ear Surgery
* Micro-Laryngeal Surgery
* Laser ENT Surgery
* Thyroid Surgery

**Facilities provided by health care center :**

* Consultation of 21 different specialists
* Full-Fledged Laboratory & Diagnosis center
* ECG & TMT facility
* Ultrasonography
* Digital X-ray
* Pulmonary Function Test

Over the years Arogya Multi speciality clinic as shown tremendous interest and services towards public by conducting serveral camps like diabetic camp, cancer camp, joint pain camp to bring awareness among the masses. And it also provides a medical check-up facility called ‘Arogya Check-up’ for a comprehensive Health check upprogramme. In future rural camps will be conducted by the ArogyaMultispeciality doctors for the benefit of poor patients.

**Future Scope of the Project:**

SMS features: If patient takes appointment or treatment SMS goes to Patients Cell Phone.

Medical Store: Medical Store Administrator can view suggested prescription through online by entering polyclinic patient ID.

* Patients can view reports, billing, etc
* Consumes less time and reduces human errors.
* Doctors can view patient’s old reports.
* Medical store administrator can view suggested prescription through online by entering patients ID.
* User friendly.

**1.1Purpose**

This document is to describe all the software requirement specification (SRS) for the Clinic-O-Sight (COS). The system aims to help the patients to take appointment online through internet and track their records through it.Polyclinic has been facing problems due to its paper-based appointment system. With the increase in the number of patients visiting, it has become difficult to manage the appointment system manually.The purpose of this project is to solve these complications by creating custom-built database software to manage the appointment system. For the receptionist it makes easy to set date and time for the treatment of the patient to the relevant doctor.Doctor enters medical prescription and receptionist takes the print.It also helps to maintain doctor’s consultation fee, Laboratories and Testing charges automatically. And maintaining the employee salary and its expenses.

**1.2 Document Conventions**

When writing this document it was inherited that all requirements have the different priority levels. The levels of authentication are provided in four different aspects i.e. The Admin, the Receptionist, The Doctors and The Patients.

**1.3 Intended Users and Reading Suggestions**

* **Developers:**in order to be sure they are developing the right project that fulfills requirements provided in this document.
* **Testers:**in order to have an exact list of the features and functions that has to respond according to requirements and provided diagrams.
* **Users:**in order to get familiar with the idea of the project and suggest other features that would make it even more functional.
* **Documentation writers:**to know what features and in what way they have to explain. What security technologies are required, how the system will response in each user’s action etc.
* **Admin, Receptionist, Doctors and patients:** in order to know exactly what they have to expect from the system, right inputs and outputs and response in error situations.

**1.4 Project Scope**

The system has been facing problems due to its paper-based appointment system. With the increase in the number of patients visiting, it has become difficult to manage the appointment system manually. Recording of appointments and creating registers by pen and paper has become a tedious task. And also its difficult to manage huge number of patient database.

The COS web-application gives solution to the polyclinic patients and employees. This system which manages complete polyclinic details in a single application and in a single database.The users will use this system to handle all the functionalities easily. Doctors will also use the system to keep track of the patients consulting to them.The intentions of the system are to reduce over-time pay and increase the number of patients that can be treated accurately.Requirements statements in this document are both functional and non-functional.

**1.3 References**

Books : An Integrated Approach Software Engineering 3rd Edition by PankajJalote.

Website : [http://www.W3shools.com/php/](http://www.w3shools.com/php/)

<http://in.php.net/>

**2. Overall Description**

**2.1 Product Perspective**

Product perspective is essentially the relationship of the product to the other products, defining if the product is independent or is part of a larger product (dependent), and what the principal interfaces of the product are.

This software is totally independent system that manages activities of the COS as taking appointments, generating patient reports, personnel management and administrative issues.

In this project all the records are stored in single database. Different users have different permission to access this web application. Each user has unique id. If any data is lost user is having option to recovery. User’s don’t have right to alter records after particular time period and also it is not having option to alter other patient records.

**2.2 Product Features**

* Authentication for different users.
* Real-time validation of all fields and database to prevent errors.
* Printing of prescription, certificate.
* History of patients recorded in database.
* Maintaining the billing section of the polyclinic.
* Maintains the salary and expenses.
* Built in backup and restore facilities.
* LAN compatible.
* Compatible with any platform.

**2.3 User Classes and Characteristics**

The admin,doctors, receptionists and patients will be the main users. The system is also designed to be user-friendly.

* Admin
* Receptionist
* Doctors
* Patients

**Admin:** Admin should have prior knowledge of the system. Admin is able to controlthe whole system. He/she can add, delete, update and modify the system.

**Receptionists:** in order to add or delete the details of the patients come for the treatment and accordingly provides identity to them.

**Doctors:**Doctor should fairly know about the usage of the system. Doctors are able to see the respective appointments taken. And also can view patient’s details and records.

**Casual users:**Anyone can view the information of the polyclinic.Patients can view their own records and doctors details and timings. And also can take appointment online.

**2.4 Operating Environment**

This proposed software will be used in Windows platform in the version of Windows 7.MySQL will be used for the database to hold the patients, doctors and other employees’ details.

* + Operating system: Windows platform, linux, Mac OS
  + Processor: Pentium 4
  + Processor speed: 2.5 GHz
  + RAM: 512MB
  + Hard disk drive: 40GB

**2.5 Design and Implementation Constraints**

The COS system shall be a web based application system running in a windows environment. The system shall be developed using PHP and MySQL server.

A person who has no knowledge of computers will find it difficult to understand the system. But with a little knowledge it will be very easy to handle the project.

Standard compliances. This document follows IEEE standard for software requirement specification.

* 1. **User Documentation**
* A HTML Help file with a tutorial and full help on all features provided.
* Help pages will be providing document with screen shots.
* If the user has more queries regarding this website then he/she can contact with the administrator through contact us page.

**2.7 Assumptions and Dependencies**

* The code should be free with compilation errors/syntax errors.
* The product must have an interface which is simple enough to understand.

**2.8System Features**

**2.8.1 Login Account**

**2.8.1.1Description:**

To open the user account the users have to enter login information.

**2.8.1.2 Stimulus/response**

User must enter valid user id and password to open user page. If it is valid then it links to user account page. If the user is new to the polyclinic he/she has to register.

**2.8.1.3 Basic data flow**

* Here first the user enters login id and password.
* After entering the login information system checks whether entered login id and password is valid or not.
* If it is valid then it is linked to the user account.
* If the user doesn’t have user account then user needs to register.

**2.8.1.4 Functional requirements**

Here administrator, receptionist, doctors and patients are using the different login pages.

**2.8.2 Admin**

**2.8.2.1 Description**

Admin is a super-user. He/she is able to control the whole system. Admin can add, delete, update and modify the system.

**2.8.2.2 Stimulus and response**

Admin logs into the admin account and do the relevant changes daily. Admin keeps the system up-to-date.

**2.8.2.3 Basic data flow**

* Admin logs into the system.
* Can add/delete/update/modify records.
* He/she controls the entire system.

**2.8.2.4 Functional requirements**

Admin has got the rights to add/delete the doctor, employees, old records and can view the entire system.

**2.8.3Online appointment**

**2.8.3.1 Description:**

Patients can take appointments through online by entering Date and Time. Receptionist approves this depending on doctors. Patient has to register or login to take appointment through online.

**2.8.3.2 Stimulus/response**

Patients should enter valid information to take appointment online. After entering appointment details receptionist verifies the information and gives date and timings.

**2.8.3.3 Basic data flow**

* Patient first logs into the website.
* After logging in, the patient enters the appointment information.
* The receptionist verifies the sent details from the patient and updates date and time.
* Patient receives the approval message with date and time.

**2.8.3.4 Functional requirements**

* Patients can take appointment online or through phone call.
* patient can view the old appointment details and their records.

**2.8.4 Doctors Module**:

**2.8.4.1 Description:**

Doctors can check appointments taken by patients. Doctors can view Patients Test reports and he can enter and view suggested prescription details. And also can check billing and monthly salary details.

**2.8.4.2 Stimulus/responses:**

Here doctor enters the patient report and enters prescription details.

**2.8.4.3 Basic data flow**

* doctor logins to the website.
* Doctor checks old record and appointment details.
* Doctor enters prescription and test reports.
* He can view salary and billing details**.**

**2.8.4.4 Functional requirements**

Doctor can view patient appointment, old records, prescription, payment details. And also can view his monthly salary.

**2.8.5 Billing and Maintenance**

**2.8.5.1 Description :**

In this page receptionist enters doctors consultancy fee, laboratory charge, etc. Maintenance page which calculates employee salary, expenses. Every month it calculates employee salary, total expenses. Expense and receptionist salary will shared equally by each doctors.

**2.8.5.2 Stimulus/response**

Receptionist enters consultancy fee, laboratory fee, etc of each patient. Every month system calculates automatically doctor’s earnings, expenses, employee salary etc.

**2.8.5.3 Basic dataflow**

* Receptionist enters the consultancy fee and laboratory fee
* Receptionist enters the daily expenses, maintenance fee.
* Every month system generates employee salary , expenses, patients bill, etc. salary and expenses will be shared equally by each doctors
* System checks doctors earnings.

**2.8.5.4Funtional Requirements**

* Consultancy fee
* Daily Expenses
* Employee Salary
* Doctors earnings

**3. ExternalInterfaceRequirement**

All the interactions of the software with patients, doctors, receptionist, hardware and software are specified here.

**3.1 User Interfaces**

The user interface is designed in PHP. The developer will have to study the designing of the product. The use of the controls and the component from the Add items feature of the PHP. The user of the product will get very user friendly web page which will be very easy to work with.

**3.2 Hardware Interfaces**

This system doesn’t require any hardware interface. The one used here is monitor, keyboard and mouse.

The system should have these hardware requirements:

* Processor: Intel Pentium4 3.2GHz or above
* Memory: 512MB or above
* Hard Disk Drive: 40GB or above

**3.3 Software Interfaces**

* Operating System: Windows, Linux, Mac OS
* Front End: PHP(Hypertext Preprocessor)
* Back End: MySQL

**3.4 Communications Interfaces**

Communication is done through internet and intranet.

**4.Other Non-functionalRequirements**

**4.1 Performance Requirements**

Cos manages facilities required by the casual users quickly and easily. It offers to take appointments faster through online. It takes appointment details from the patients and send the appointment date and timings to the particular patient.

**4.2 Safety Requirements**

* In case the user forgets or loses Password, the repair functionality helps by choosing “forgot password” option in the main login window.
* To avoid this kind of situations, backups can be done regularly.
* While typing the password, if the caps lock is on it must be notified.
* If the system is kept idle for 10 min the session will expire.

**4.3 Security Requirements**

This system is provided with authentication without which no user can pass. So only the legitimate users are allowed to use the application. If the legitimate user’s share the authentication information then the system is open to outsiders.

**4.4 Software Quality Attributes**

**Reliability:** Good validations of user inputs will be done to avoid incorrect storage of records.

**Maintainability:** During the maintenance stage, SRS document can be referred for any validations.

**Portability:** This system can be installed in any personal computers supporting windows operating system platform.

**Flexibility:** The system keeps on updating the data according to the transactions that takes place.

**Timeless:** The system carries out all the operations with consumption of very less time.

Security: Security of the system is maintained d by giving access to only authenticated user id and password.

**5. Other Requirements**

**5.1 Other Requirements**

**Database:** The records of all operations are stored in database.

and seminar please provide project report of medical store billing system. of this medical store management in

Medical Store Management software is general for the development of above said project. System. At present Medical Stores maintain their day

Medical shop management system vb project report. Project report on mobile shop management. ppt on stock management in medical store using

Medical store management system project report covers detailed information on how to develop this project with useful information. Students can find database design

Medical Shop Management System VB Project Report Medical Shop Management System VB Project Report. Medical Store Management System.

Medical store system is medical shop Management System developed using VB.NET and SQL. Medical store system is an software application. Project Report. Project

,Medical shop Management system technology discussion,Medical shop Management inventory control system of medicine store, project report on

Project Report Document for Medical Store Management System document sample. Project Report Document for Medical Store Management System Management; Project

The main function of the Online Medical Management System Project is that Online Project Management System Project Report; Gain Store Management System Project;