

Online Prescription Portal for Patients Assisted By Doctors

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ABSTRACT: This communication portal helps to communicate between doctor and patient which is an online Portal. It also allows users to refer medical which is very much important for the doctors to prescribe medicine and also availability of the medicine in depends on medicine. In Patient Portal, one can connect with the doctor through a convenient, safe, and secure environment. In recent times health care concepts of people have undergone a tremendous change which has led to higher expectations and an increased demand for high quality medical care and facilities. Prescription Viewer app provides an efficient method for storing the prescription details of the patient. This supports the patient to view their medication anytime, anywhere through their phone. In this project, the receptionist enters the patient details into the site and is stored in a Database for retrieval. Throughout the consultation, the doctor enters the prescription details into the database created above. The prescription viewer app then displays the prescription which includes the medicine name and dosage.

1.INTRODUCTION

The prescription viewer app provides an efficient method for storing the prescription details of the patient. It assists the patient to view their medication anytime, anywhere through their phone. The integration of healthcare systems and data is a major encounter. Commercial conditions that typically result in fragmented data stores and limited application functionality are prominent in the healthcare industry. The healthcare industry is looking for ways to process data stored in the existing silos and offer useful healthcare services to assist clinicians in making rapid and accurate decisions while helping to prevent medical errors and save costs in the process.

A website has been developed for entering the prescription details which is sent to the Prescription Viewer App present in the patient's phone. Three people have access to the website – Admin, Doctor and Receptionist. They can access the website by logging in using their respective username and password. The receptionist enters the details of the patients for the first time into the website when the patients visit the hospital. A patient is recorded under a particular doctor. The doctor can assess the details of his patients. The prescription details will be entered by the doctors into the website and it is sent to the patient's phone. An online portal may serve a variety of purposes.

1.1 Scope of the System

Medicines have proven to be very beneficial for treating illness and preventing disease. This success has resulted in a dramatic increase in medication use in recent times. Unfortunately, this increase in use and expansion of the pharmaceutical industry has also brought with it an increase in hazards. In this portal explains the motivations that led to integrate a portal framework on top of the proposed solution stack to create healthcare solutions for patient and customers.

1.2 Problem in the existing system

The major issue with the existing system is that the patient will have to look into the paper where the prescription is written for consuming their medicines. This method is very tiresome and time consuming. Each time the patient will also have to remember where this paper is kept in order to take his medications.

II. PROPOSED SYSTEM

The target of this portal is to make an android application that helps its user to keep track of his medication. This prescription is send to the app of the patient's mobile phone from where the prescription can be viewed by the patient, thus providing an easier and effective way to take his medicine. The proposed digital prescriptions convey many advantages to those involved in the process. Doctors can forward an electronic prescription to the national database for

being referenced. Thus this e-prescription is being immediately accessible in every pharmacy on a patient's request. The patient only needs to know a nationwide secure medical ID in order to have the medicines distributed to them. This helps the patients to be more confident that they collect the right medicines, and the possibilities of misinterpretation of the prescription by the chemist and subsequent medical errors being dissolved. The prescriptions can neither be lost nor forgotten.

2.1 Goals

This portal aims for effective an easier way to view a prescription by the patient with very less user involvement. It has the following advantage

- Very reliable
- Time and cost Effective
- Ease of viewing prescription

2.2 WEBSITE DESIGN

2.2.1 Design Description The modules included in the system are as follows:

Only the authorized users can login into the site. Administrator, Receptionist and Doctors can login using their username and password. If unacceptable username or password is given, then access will be denied.

The administrator can add new doctors as well as change the password of the receptionist

The patient details are entered by the receptionist and it is stored in the database.

The doctor provides the prescription and it is stored in the database.

The prescription details are directed to the Prescription Viewer App installed in the patient's phone using Local server.

2.3 DATABASE DESIGN

The database is hospital. It consists of following tables:

1. doctor (id, finame, laname, email, address, mobile, username, password).
2. patient (id, doc_id, finame, laname, gender, email, address, mobile).
3. prescription (id, patient_id, name, time period, days, quantity).

2.3.1 INPUT DESIGN

The inputs set to the system are as follows:

- └ Doctor Details: Entered by the admin
 - | Personal details
 - | Username and password
- └ Patient details: Receptionist needs to enter it.
- └ Doctor id
- └ Personal details
 - | Email id
 - | Registration id got from the patient's phone after registering with the gcm server.
- └ Prescription details: The Doctor needs to enter it.
 - └ Patient id
 - └ Medicine name, dosage

2.4 OUTPUT DESIGN

The name, email id and GCM registration id are sent to the server and is stored in the database of the hospital. The prescription particulars are sent to the app from the server. DP Portal provides an efficiency way to user can write their problem. As depicted in the Figure 1, here it has patient name, patient problem and current status of the patient.

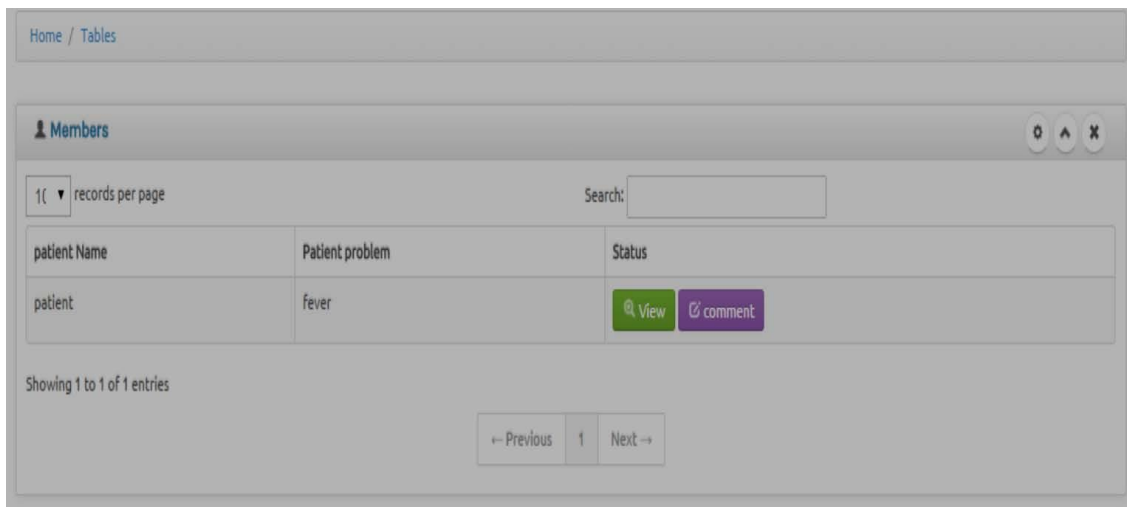


Figure 1: DP Portal

As shown in the Figure 2, the doctor can view the patient’s problem and based on the description doctor write prescription on portal.

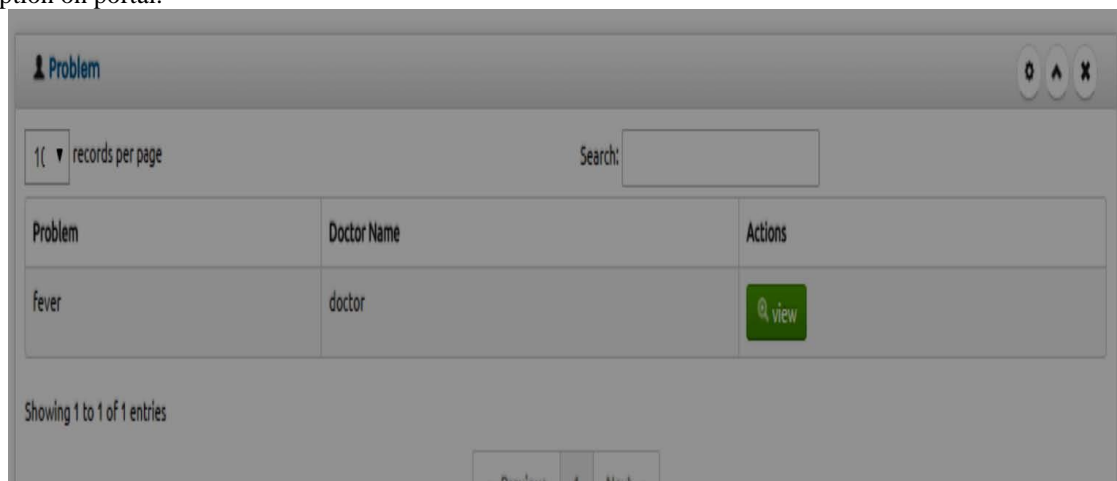


Figure 2: Problem Description

III. CONCLUSION

All the methods described during the design phase have been successfully implemented in the project and is fully functional .This portal will create an efficient method for storing the prescription details. It helps the patients to view their medications anywhere and at any time through their phone. This portal provides an easy and effective mechanism to keep track of our medication. The prescription viewer application is a simple yet powerful application with this it is notable that everything comes to online. It will help future generation.

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