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Patient Health Management System

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ABSTRACT- In the past few years, especially in developing countries, providing proper health care has been one of the most challenging issues. The patients are often confused with the various places they need to go for a proper treatment. What they need is a place where they can gather everything at one place and track properly with the ease of their own house or simple workplace. Therefore in this paper we propose the platform for patient management using Ad.Java technology. The goal of the paper is to minimize the efforts of an already stressed patient and provide them with an all-in- one place for smooth procedure. The platform will be on TomCat 9.0 server. Eclipse JEE will be used as Integrated Development environment (IDE).

I. INTRODUCTION

An all-in-one platform might come in handy when a patient has to consult variety of doctors at the same time. Every patient information can be stored at a single place. In this system the users login and continue to add the required information such in a patient's case its medical history. The users can login using their usernames and passwords.

II. SCOPE AND OBJECTIVE

A patient's biggest headache is run to different departments to proceed with doctor's instructions. The patient does not have to filla form for every doctor's visit instead the doctor will have patient's information at his/her fingertips. This platform will provide recording patient's activating with ease. The medical history of the patient will also save time in diagnosis.

III. PROBLEM STATEMENT

- In the absence of the doctors, the patient cannot consult the doctors due to which emergency situation may also becreated.
- Lack of immediate retrieval of patient's history.
- The immediate storage of patient information is minimal.
- Preparation of precise and prompt reports.

IV. METHODOLOGY

There will be two modules for the platform, patient's module and doctor's module respectively.

- Patient's module will be used to register the patient, add the medical history, book the appointments and show doctor's prescription on the server. Reports will also be available on the server for the patient.
- The doctor's module will be used add doctor details and from there on he/she will be able to manage the appointments. Itwill also have the medium of uploading prescriptions and reports. Doctor can view patient details and patient's medical history.

The admin's login will have access to the database and other interfaces on the platform. The patient will have register initially andwhen they are done with work they can sign out and protect their medical details to be safe from access on their own device by any unauthorized person. The same goes with doctor login as well. The diagram below will describe the flow of the project.
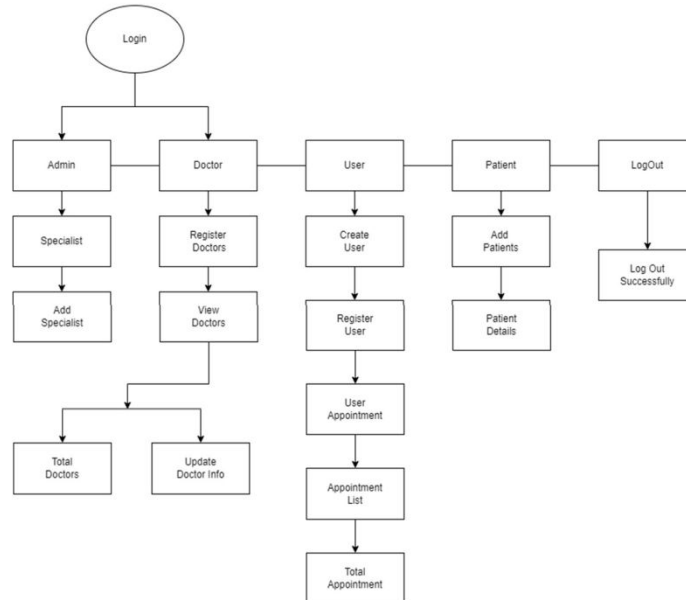
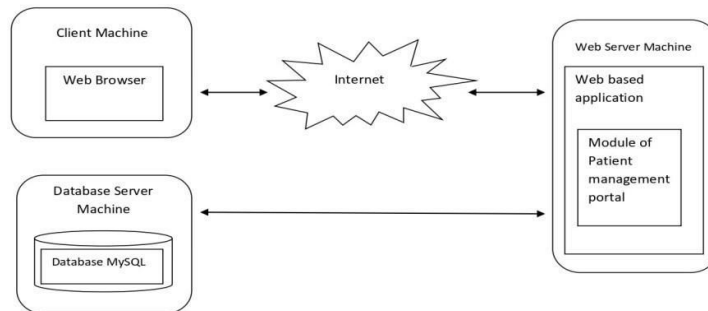Figure 1: Data flow of the project

V. SYSTEM ARCHITECHTURE

Figure 2: System Architecture of patient management system

VI. ADVANTAGES

1. This platform will allow scheduling appointments at ease.
2. It will also be efficient in recording patient information and their medical history.
3. It will help to track all of the patient's interaction and touch-points.

VII. ACKNOWLEDGMENT

VIII. CONCLUSION

This was our project of platform for "Patient Health Management System" developed as web application based on core Java programming language. We provided our extreme efforts for a successful completion of this project. This project might turn out to be somewhat of an easier route for patients in the near future. The efficiency might be improved in the upcoming future but this project might provide the base for a better handling of patients. We learned so many things and gained a lot of knowledge about development field. We hope this will prove fruitful to us.

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