Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

AI based Healthcare Management System

Group No. 7

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Introduction

- In the current existing system the patient details, doctor availability details, tests undergone , medicines prescribed by the doctor is maintained manually by the receptionist in some random notebook.
- This particular proposed system is aimed at developing a solution where the cross platform application will help the Doctors to run their clinics in a better way .

Objectives

- To design a system for better patient care which can be used across different platforms.
- To enhance the UI and operability.
- To store the patient medical records in a better and organized manner for future references.
- To fetch the data on local database will become very tedious to manage, hence making use of a cloud server.

Problem Definition

- The proposed system is a solution to solve this problem, an internet based platform which will store the patients information in an organized manner. If any doctor wants to check the details regarding their patient’s last visit, then all they have to do is take a quick glance through the patients profile in the application.

Technological Stack

Software and Hardware Requirement Specifications:

- Languages: Java Script, HTML.
- Devices: Windows.
- Data Storage: Aws Cloud Server.
- Databse: php,mysql server,xampp.

Review Suggestions

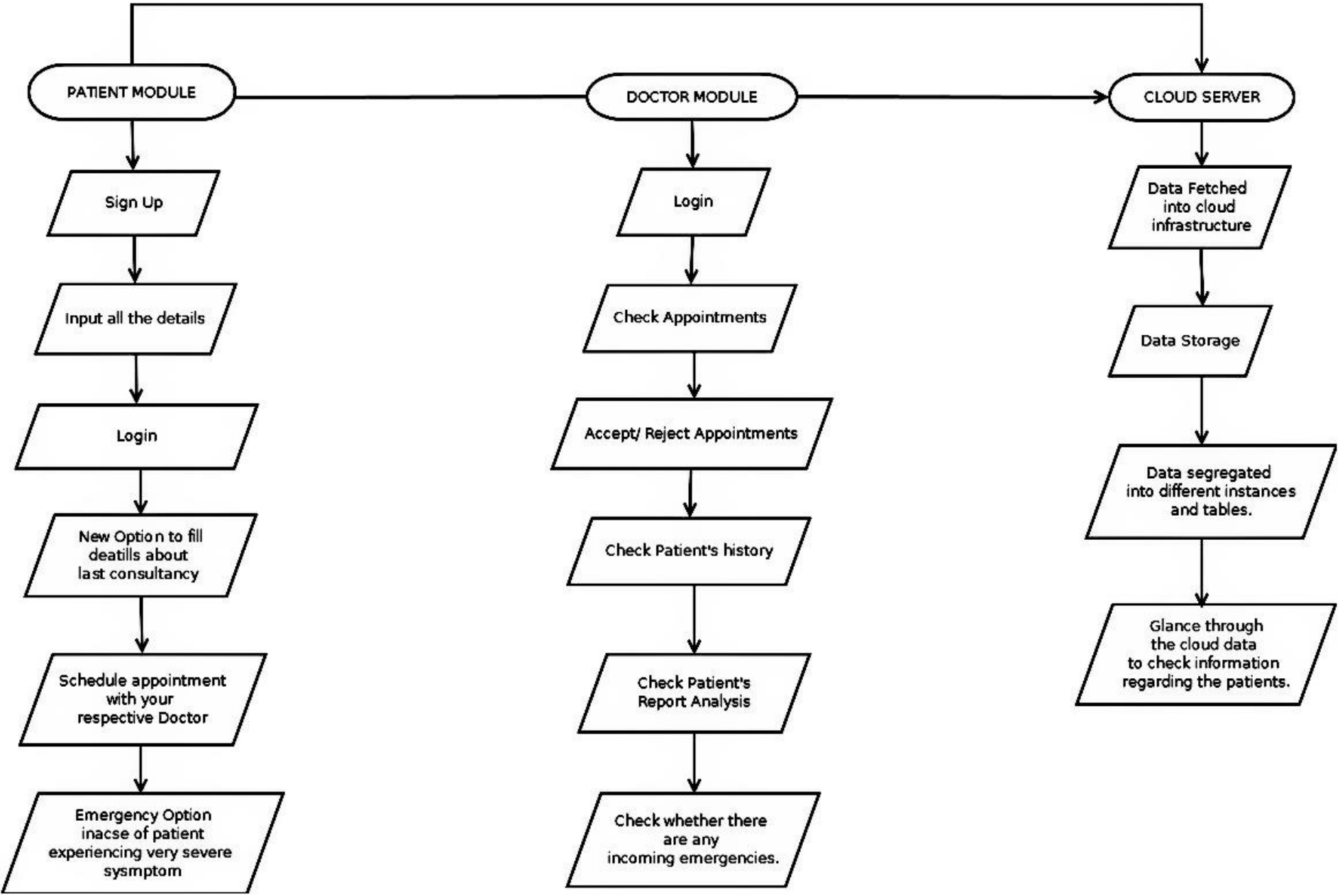
- Focus on specific objectives.
- Proposed System workflow using Dia Tool.
- Proper communication between both modules.
- Mention techniques for multilingual system.

Proposed System

- The proposed solutions that we are going to deploy here is to speed-up the database response by using a Cloud Server platform rather than a local database and to reduce the time complexity by using multi-user environment. Because of this multi user environment we can reduce the burden on single person.
- The system after careful analysis has been identified to be presented with the following modules:

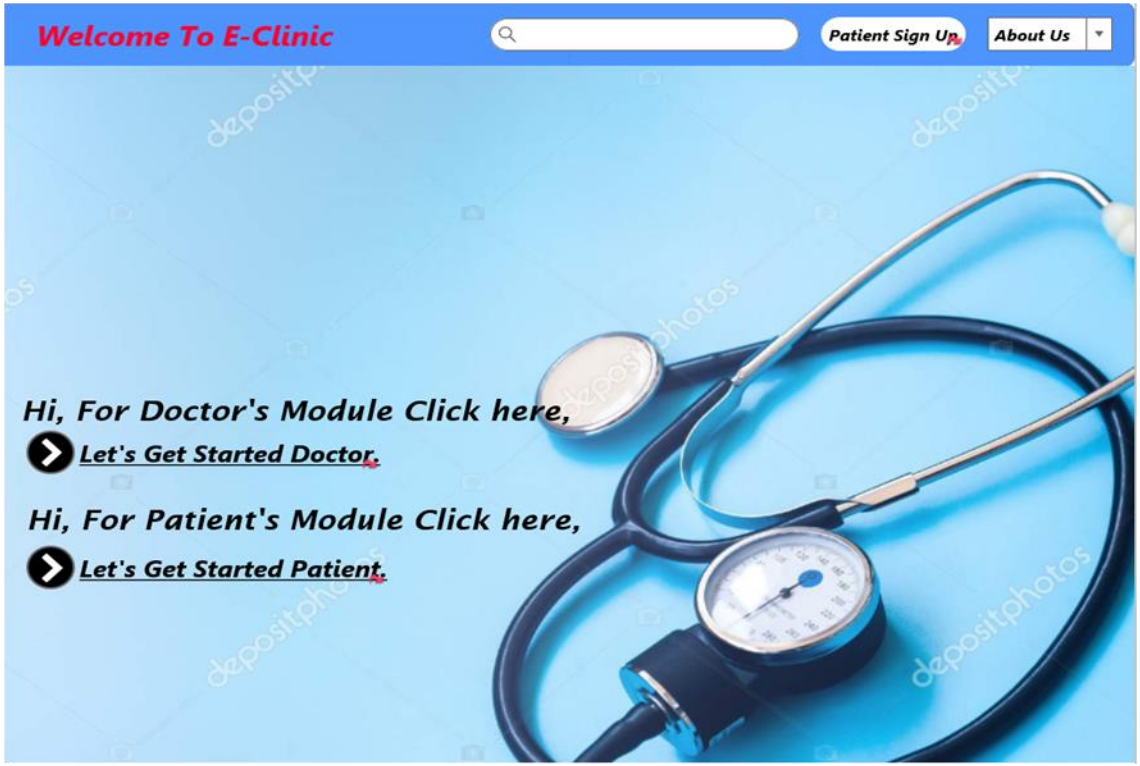
1. Doctor Module
2. Patient Module

Workflow Diagram(Proposed System)

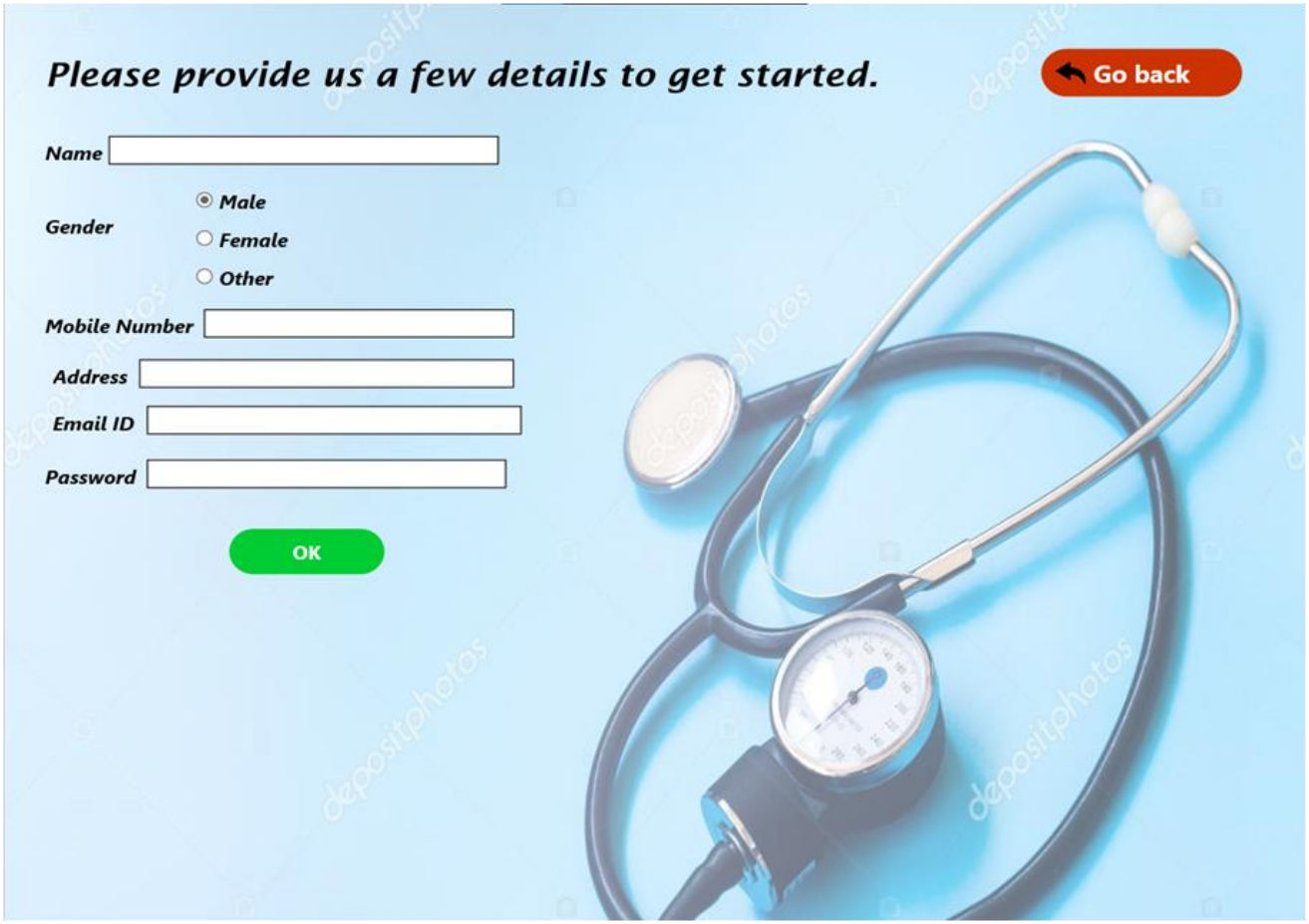


Prototype Design Demonstration

- Homepage:



•Patient Module:



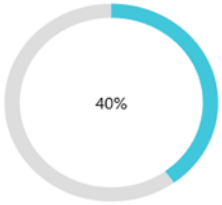
•Doctor Module:

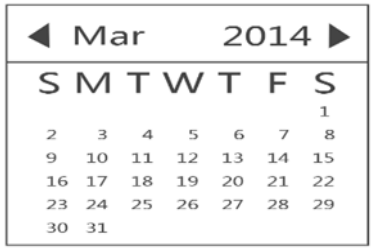
Hey there Doc, let's have a look at today's appointments.

Appointments :

Name	Age	Date of Birth	Date	Contact No.	
Pranav Iyer	43	01/01/72	30/10/2020	9898989898	Reject Appointment
Bhaskar Khekale	28	12/06/87	30/10/2020	9898989898	Reject Appointment
Shefali Rane	25	09/01/64	31/10/2020	9898989898	Reject Appointment
Eric Hoffman	30	11/05/71	1/11/2020	9898989898	Reject Appointment
Tim Boelaars	40	06/25/83	1/11/2020	9898989898	Reject Appointment

Today's Progress Bar





View Patient's history :

Name Pranav Iyer — View Medical History

Name Bhaskar Khekale — View Medical History

Name Shefali Rane — View Medical History

Plan of Paper Publication

- Paper draft is ready , working on plagiarism check and planning to publish in conference suggested by guide.

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