SOFTWARE DESIGN DOCUMENTATION

TEAM MEMBERS

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INTRODUCTION

Our purpose is to develop a project in order to help those who are facing mental health issues such as anxiety, depression, pressure, stress, grief isolation in all age groups. People who are reluctant to contact a psychologist in hospitals need to be helped in a convenient way.

SYSTEM OVERVIEW

By implementing the Mind Buddy project, People will feel more comfortable expressing their problems. Moreover this system can provide employment opportunities for many . A fit mind is more important than a fit body. So when a person is mentally fit, their productivity increases at the workplace and this can also help for the growth of our nation.
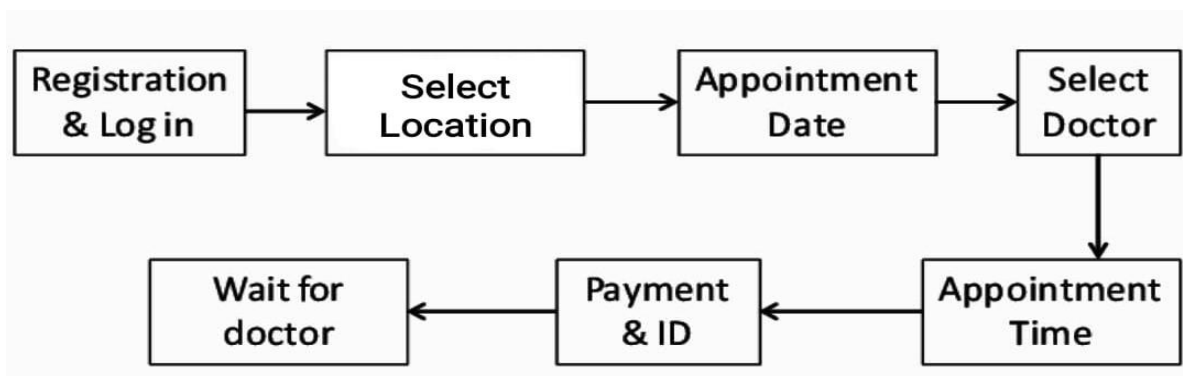
Some of the features are,

- there will be an option for registration.

-clients can fix appointments according to their will.

-location and time can be chosen by the client.

-The list of psychologists will be provided in the selected area along with their educational qualifications and availability. The client can choose from this.

-they can select online or offline consultation.

-The entire client- psychologist data shall be kept confidential.

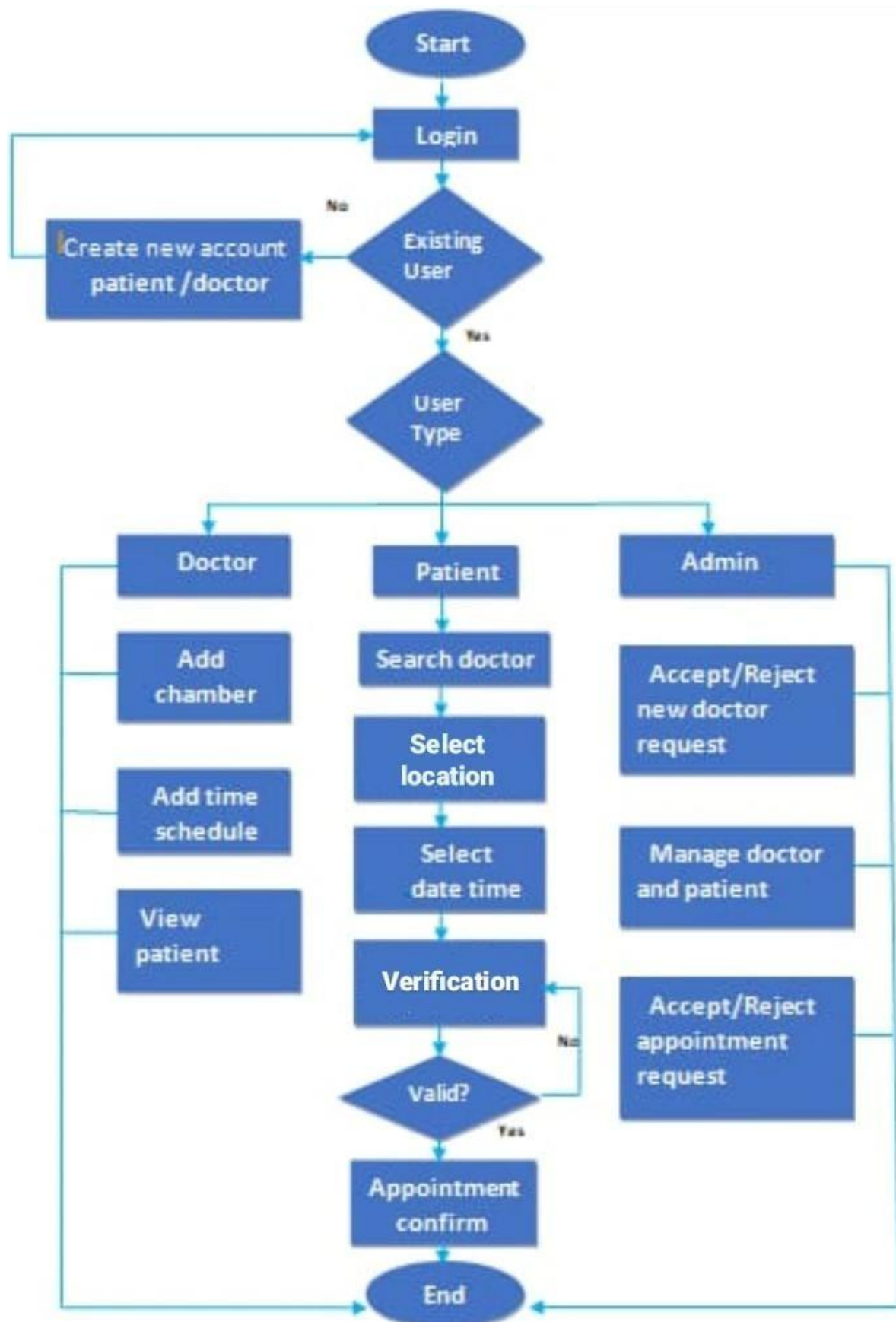-the client can check their progress using this.

DESIGN CONSIDERATION

This system is based on the database, object-oriented programming language and networking techniques. MySQL (Structured Query Language) is used in areas where keeping the records in the database is necessary, this system uses CSS and Javascript as the front-end software which is an object-oriented programming technique and has connectivity with MySQL, the back-end software.

Block Diagram

Registration & Log in → Select Location → Appointment Date → Select Doctor

Select Doctor → Appointment Time → Payment & ID → Wait for doctor

FLOWCHART

FEASIBILITY STUDY

Financial Feasibility –Since the application can be freely installed by anyone, it does not cause any financial additions. A small application charge while registering may be imposed to help in financial profit. Additionally, as appointments are taken through our online platform, travel expenses and waiting time of users are saved.

Operational Feasibility – A small self learning module on how to use the application or website can be deployed. As the usage is highly simplified, there is not much need for added operational guidance.

Technical Feasibility – Everybody can easily access the site or application, so no additional technologies are needed. A simple application installation or a simple web search for the site is all that is needed as technical side.

Legal Feasibility – The healthcare practices in India and all over the world are expected to follow their own guidelines that have been provided by their respective government bodies. As the application does not break any laws of the land, no additional legalities are present.

ARCHITECTURAL STRATEGIES

Effective management is the key to success for any business .Here we explore the top nine management tips to running or project successfully.
 1) Training of Patients
No specific training is needed for the patients to use the website or application as it is very intuiative and simple to use. An introductary small self learning guide or module can be provided if needed.

2) Training of Doctors

Doctors can be trained on how to register themselves on the Mind Buddy platform as a consultant in the region.

3)Training of Administrator

 Administrators are responsible for verifying the registered users and also verifications of the doctors.

4) Accountability is Key

Doctors should be accountable for their daily, weekly and monthly appointments and handling of patients. Administrator or the administrating body must be answerable for their assigned tasks, including doctors handling, patients data management and so on. This produces better management.

5) Establish a Managed Care System

A managed care system should already be implemented , but its improvement can lead to the more efficient running of daily tasks. This includes punctuality of appointment schedules, no delays for operations and well-managed consultations for in-demand doctors.

6) Develop an Effective Communication Strategy

Communication can be a challenging area , however, not addressing a lack of communication can create poor management. Communication channels should be customized according to the needs of the patients.

7) Identify Vulnerable Areas

It is important to analyse where the application/service has been failing. It is only by identifying these areas that we can then focus on the areas that are vulnerable and work to strengthen them. The most

qualified strategies can then be applied to these areas to ensure effective management.

8) Keep Contact Details Updated
The information of a patient or doctor can change without the system knowing. Therefore, it is important to update the users and consultants contact details as out-dated information can affect the patient and demonstrates inefficient management.

9) Remain Patient-Centered
Regardless of any innovative actions you plan to initiate in your system, the main priority should always be the patient. Communicative staff or the latest technology will not matter if the patient is suffering. Therefore, effective management lies in remaining patient-centered.