

Group No 12. Project 2 Idea

Problem Statement:

- People generally have a hard time understanding medical terms and names of medicines and procedures.
- Often, they don't find a reference point to compare and understand what exactly they are told by professionals and if any better alternatives are available.
- Medicines are generally classified and sold by the components they are composed of and not by the disease or symptom name. Although difficult to understand, this classification is accurate as components are very important.
- Medicines may contain substances which may cause allergies to some people.
- Modern medical facilities may not be available in all areas and at all times.
- People may forget to carry their reports and previous medical history and documents.
- People understand better if they are able to visualize a procedure by viewing videos.
- People often forget to take medicines and need to be reminded.
- People prefer chatting/speaking to communicate with others rather than click and type on a screen.

Proposed Solution:

- We propose to build a globally available, auto scaling, load balanced 3 tier web application on cloud to arrive at a solution to the above specified problems.
- We endeavour to build an application with general as well as user specific customised information distribution in the Healthcare and Medical domain.
- We wish to build a repository of terms, procedures, organisations, names, definitions etc. to mine and provide relevant details to a user.

- Our aim is to simplify and provide accurate information which might be easier for a layman to understand.
- **NOTE:** We will not be providing any suggestions and are not a substitute for an actual medical professional. We will only be explaining the terms and not be performing any diagnosis.
- We will also be building a Chatbot to effectively communicate with users in a natural way.
- We will also try to incorporate image recognition to record text from medicines etc. so that users don't need to type long words where mistakes are common.
- We will provide records of patient information which they upload globally and store them reliably so they don't need to carry any with them.
- Reminders in the form of mails/SMS etc. of various types like medicine schedule, appointments etc. will also be provided.
- The project will add on other functionalities and modifications as and when required.

Group Members:

Sourabh Namilikonda 012414948

Hrihikesh Rendalkar 011485994

Pratik Dhumal 012457185

Avleen Singh Khanuja 012409904