Early prediction of lifestyle diseases

(Software/Healthcare and Biomedical Devices)

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Abstract

- Lifestyle diseases are common among the population today not only in India but also in almost every country. Lifestyle diseases are caused because of the habits that we have on a day to day basis.
- It includes heart disease, hypertension, etc.
- In our life also, one also comes across at least one person who is either suffering from such diseases or the diseases became the reason for his death. We also came across many such people who died because they were not aware of their disease and were left with no appropriate time for treatment.
- That is why we decided to develop the portal which will analyse the data entered by the user and will give the predictions of the diseases which he or she may have chances to suffer from.

Abstract

- This not only gives the predictions but also gives you the preventive measures that are required to stay safe from the very common lifestyle diseases as well as in case of mild symptoms it provides you with the management techniques also.
- This project makes the person aware of his health so that he will have the treatment well in time if required and will save the lives of many people.
- This project covers three main aspects which are prediction, prevention and management of lifestyle diseases.

Introduction

- Introduction
- Motivation

Problem Definition

In this platform, the people and doctors are joined and they are registered login logout and also they have early knowledge of what is happening in their area and the true information is given to this platform. About the disease which is a large amount of spearing in this area first of all the people see and their area which diseases is spread and also check their symptoms, also in bottom, and also give what the precaution do for the disease not come, also if you have any other disease then also have a chatbox to say your problem there was the best doctor, and they convey you to what to do for these diseasesIn this platform, the people and doctors are joined and they are registered login logout and also they have early knowledge of what is happening in their area and the true information is given to this platform.

Objective

- Easy identification of any disease.
- Treatment from home is easy for us.
- The online treatment gives us a cost-saving and time-saving solution.
- Treatment is from a multispeciality hospital.
- Treatment is simple and secure.
- Installable in Mobile as well as Desktop.

Selection Of Life Cycle Model

- There are many different software development life cycle models.
- We are the select waterfall life cycle model because all requirements are easy to understand and also development team members have less domain knowledge.

Project Planning and Management

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Introduction

Project Planning and Management

Analysis

Design

Conclusion and Future Work

Front End

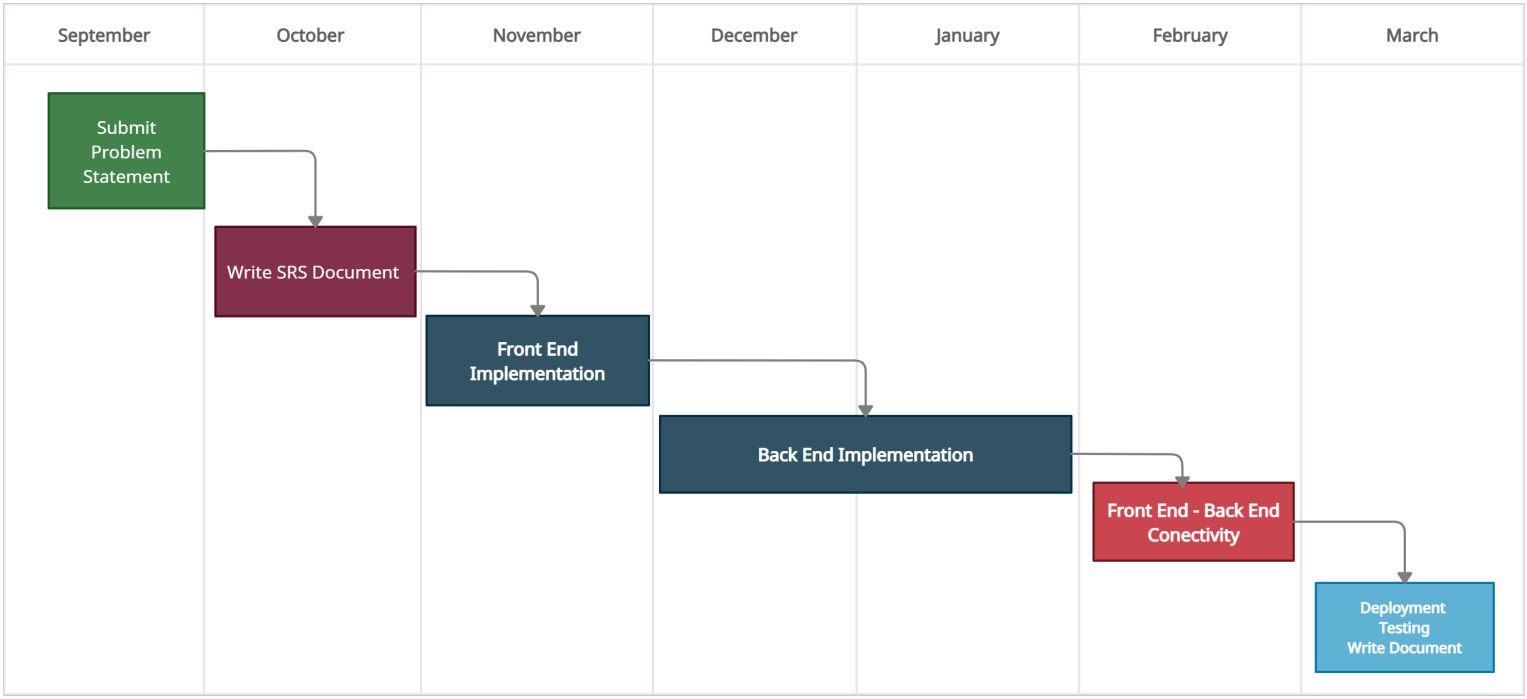

Figure: Project Scheduling

Analysis

Requirement Collection and Identification

- User means people check the symptoms , View all diseases information, search disease information using text enter otherwise speak and they also post questions and give the feedback.
- Doctors can register themself also login. They can add disease details, update details,delete details. They solve people's questions.
- Admin can be verifying the register doctor details. Also they can verify diseases with added details. Also see all the user details and doctors details. Manage site settings.

Analysis

Software Requirement Specification

- Product Features
  - The website is easy to navigate.
  - The website content is fully authoritative.
  - The website has a fast load time.
  - he website has Browser consistency which is helpful in user interference.
  - The website has a Contrasting color scheme which is very attractive from a presentation point of view.
- Operating Environment

Technology stack

- Front End
  - HTML (Hypertext Markup Language)
  - CSS (Cascading Style Sheets)
  - Java Script
- Back End
  - Node Js
- Library
  - React Js
  - Chart Js
- FrameWork
  - Express
  - Mongoose
- Ui FrameWork
  - React-Bootstrap
- Databas
  - MongoDB (NoSQL)

System Architecture

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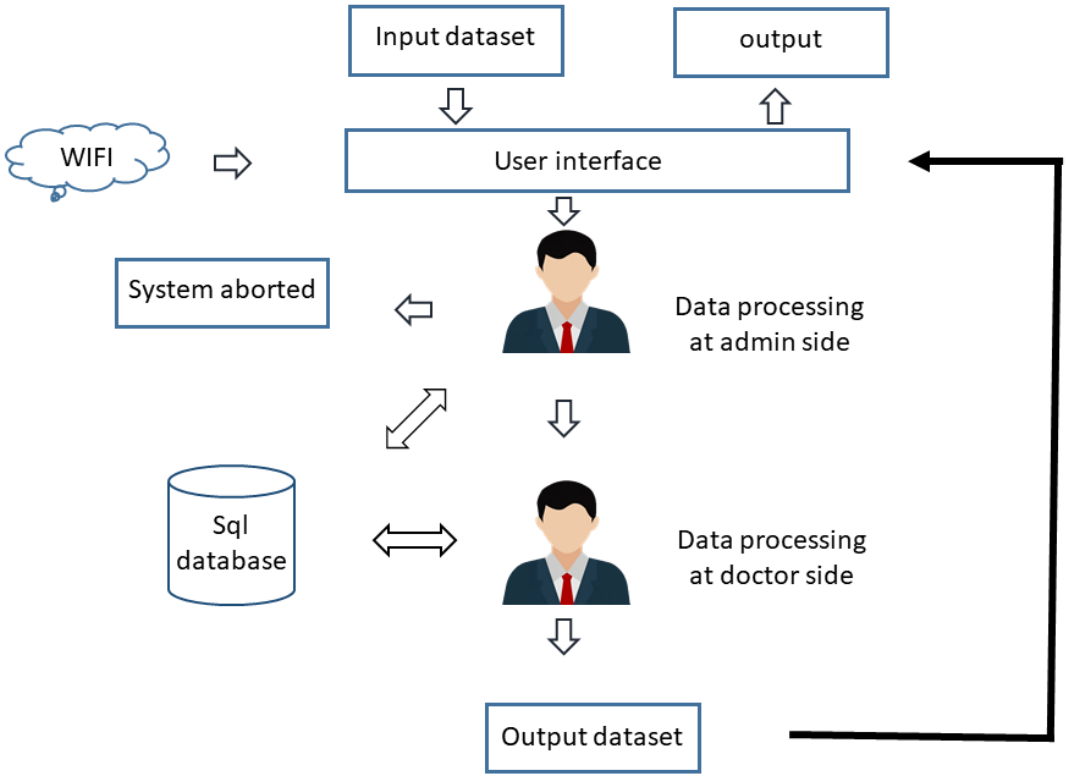

Figure: System Architecture

E-R Diagram

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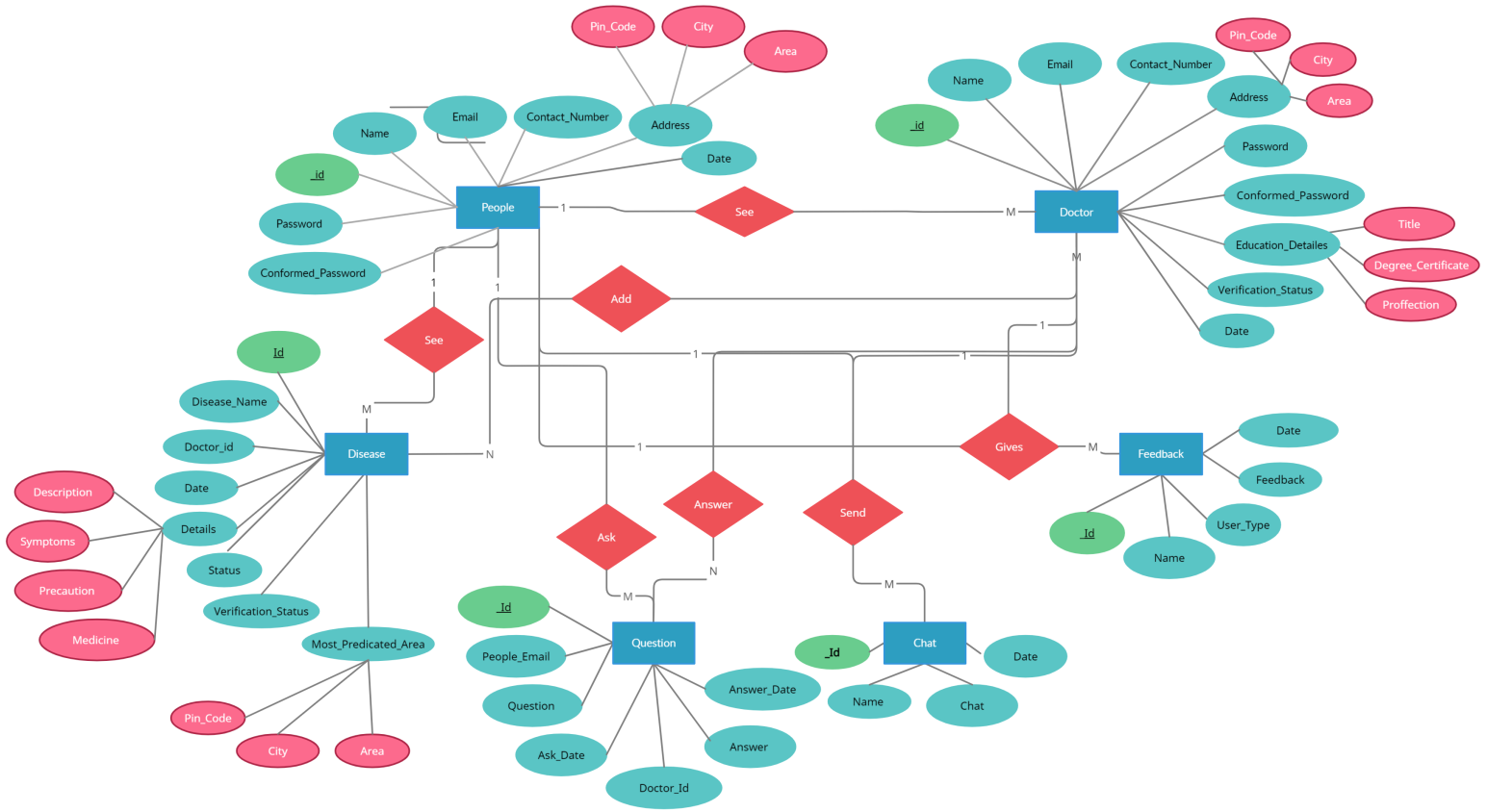

Figure: E-R Diagram

Use Case Diagram

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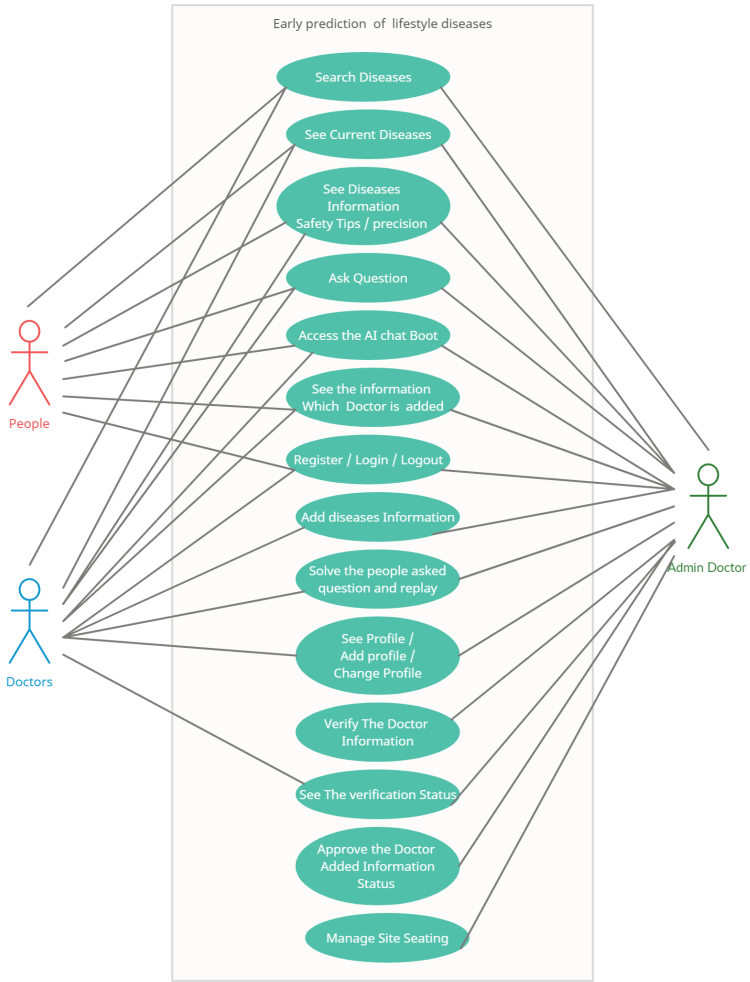

Figure: Use Case Diagram

Conclusion and Future Work

- Conclusion
  So, Finally we conclude by saying that, this project early prediction of lifestyle diseases .learning is very much useful in everyone's day to day life and it is mainly more important for the healthcare sector, because they are the one that daily uses these systems to predict the diseased of the patients based on their general information and there symptoms that they are been through
- Future Work
  Our team is planning in the future to implement an overall system

Front End

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https://ehealthcareforall.netlify.app

Thank You...