K.L.E SOCIETY'S

CHIDANAND. B. KORE POLYTECHNIC, CHIKODI

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

A SYNOPSIS REPORT ON

"Disease Prediction and Doctor Recommendation"

Submitted for partial fulfilment of the requirements of the award of the

DIPLOMA IN COMPUTER SCIENCE & ENGINEERING

UNDER THE GUIDENCE OF

Miss. SARITA KHOT (LECTURER)

A

Synopsis

Submitted By: -

Palak Jain	[339CS20014]
Puneet Pammannavar	[339CS20019]
Shivtej Ghorpade	[339CS20024]
Shreyas Kumbar	[339CS20025]

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Abstract: -

The purpose of this project is create Disease Prediction online and recommendation in this project doctor needs to register to this portal and user can visit to this portal and as per user symptoms system predicts the user disease and that time system will recommend the available doctor through this portal User will get perfect doctor for his disease to implement this jack we're going to use full stack development languages like PHP, JavaScript, Bootstrap, MySQL DB, HTML and CSS.

Project Modules: -

- **User/Patient Module: -** User can visit to this portal and fill the symptoms.
- **Doctor Module: -** With their username and password, doctors may log in and view their appointments in this section.
- **Disease Prediction: -** In this module the system predict disease.
- **Doctor Recommendation: -** In this module as per the symptoms system recommend the doctor to the user.
- **Admin Login: -** Using username and password We can login to the portal.
- **View Doctor: -** Admin can view the registered doctor list.
- **Manage disease and symptoms: -** In this module admin can add the symptoms of any disease then can be managed by doctor.
- **Manage doctor**: - In this module Admin can manage the doctor as per disease.
- **Book appointment: -** In this module the user or patient can book the appointment based on their symptoms and diseases.

Literature survey: -

- **Existing system:** - According to the survey of current patients, users must go to hospital to have their illness evaluated.

- **Proposed System: -** We are going to develop this is prediction and doctor recommendation the purpose of this project is create Disease Prediction online and recommendation in this project doctor needs to register to this portal and user can visit to this portal and as per user symptoms system predicts the user disease and that time system will recommend the available doctor through this portal User will get perfect doctor for his disease to implement this jack we're going to use full stack development languages like PHP, JavaScript, Bootstrap, MySQL DB, HTML and CSS.

Requirements

Requirements for developing: -

- Average I3 processor.
- Average 4GB RAM.
- Average 512GB hard disk.

Hardware requirement for deployment: -

- average I3 processor.
- Average 2GB RAM.
- Average 256GB storage.

Software requirement for development: -

- OS (Windows, MAC, Linux).
- XAMP Server.
- VS Code.
- Chrome.

Software requirement for deployment: -

- OS.
- Chrome.

Language used or technology: -

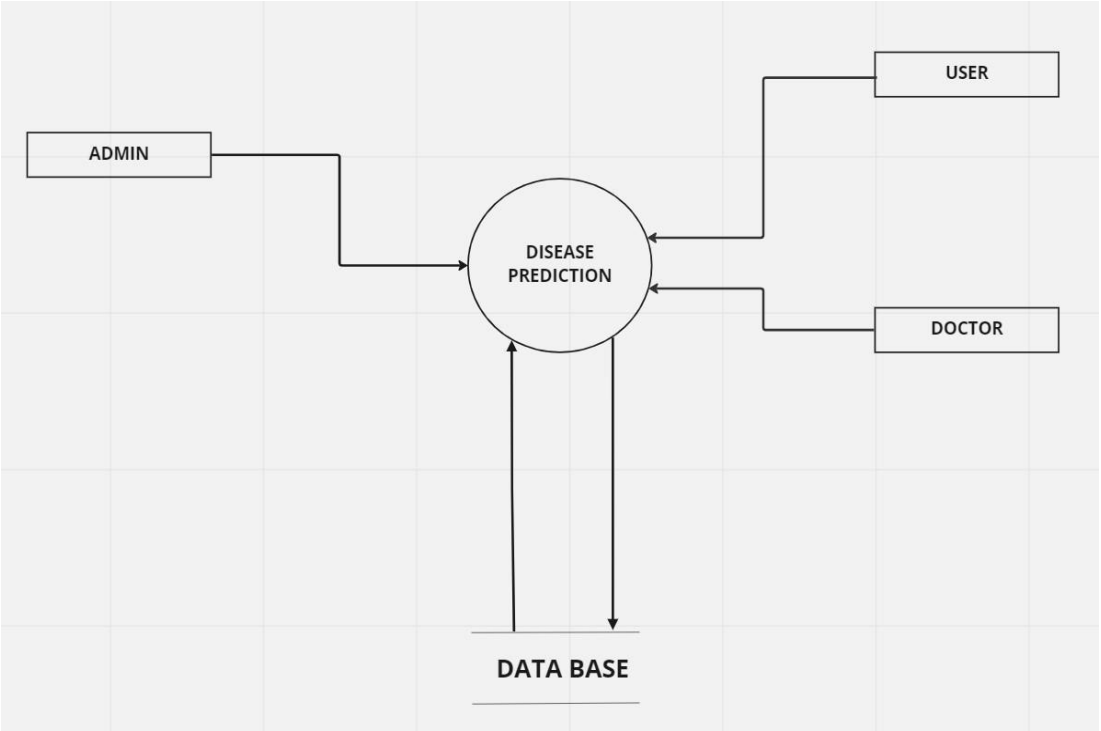
- Content language (client - side language) (HTML, CSS, bootstrap, JS).
- Backend (server-side language) (PHP).
- Database (My SQL).

Advantages: -

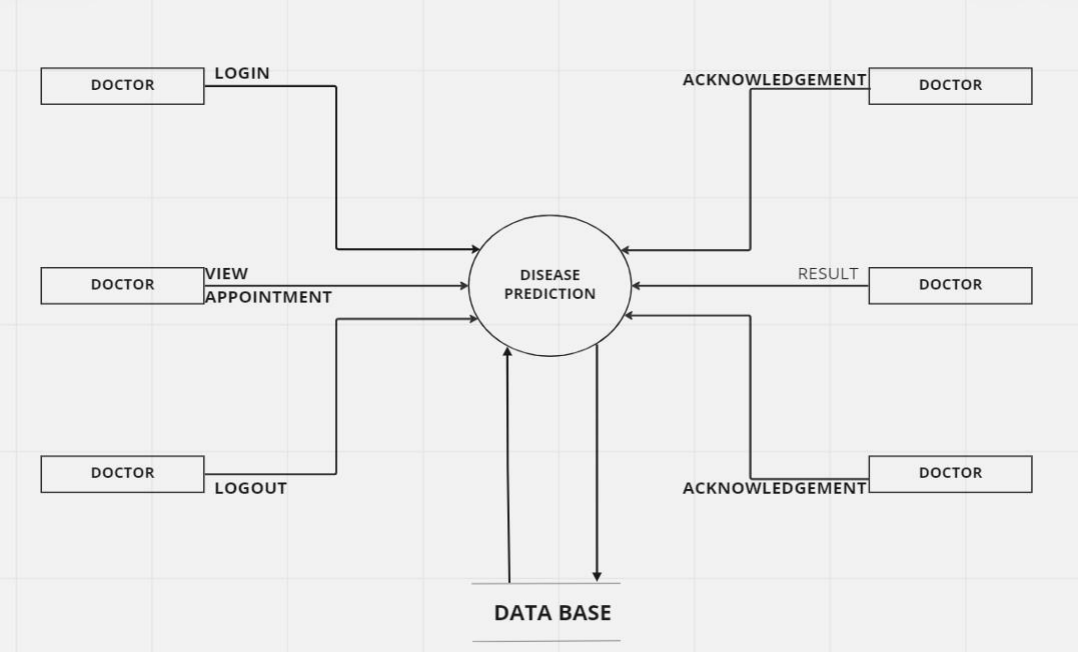
1. User will get disease information any time.
2. Reduce the time of user.
3. User will get Doctor recommendations easily.
4. User will get disease information anywhere.

Data Flow Diagram: -

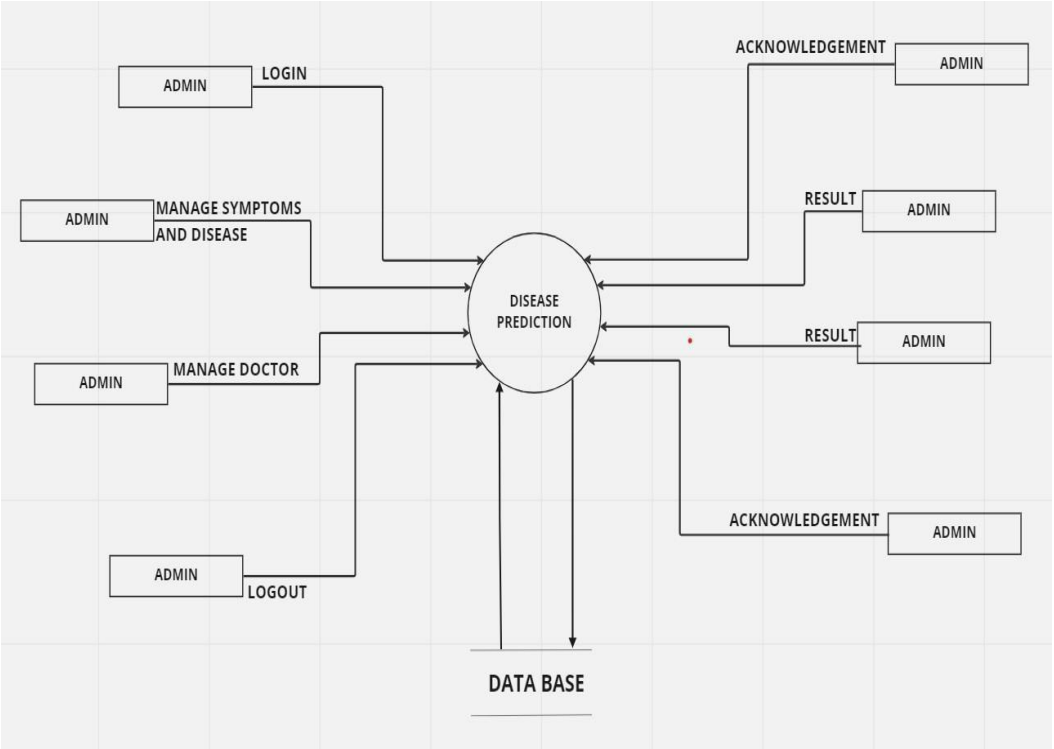
- Level 0



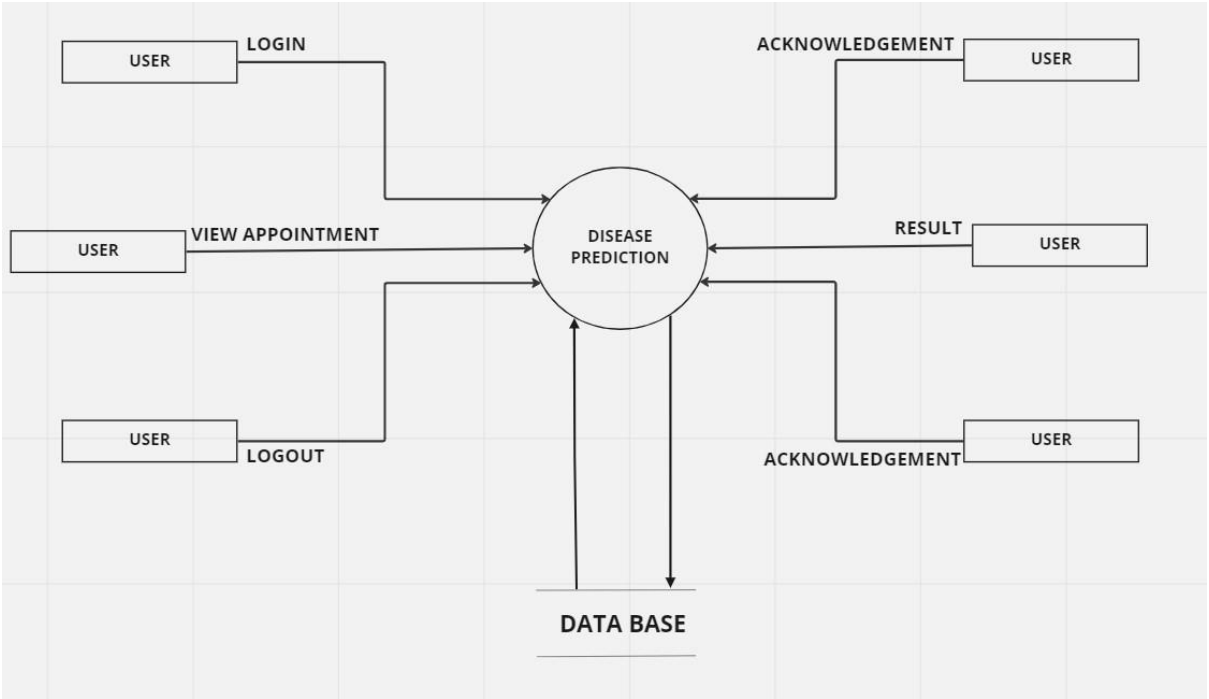
- Level 1: For Doctor



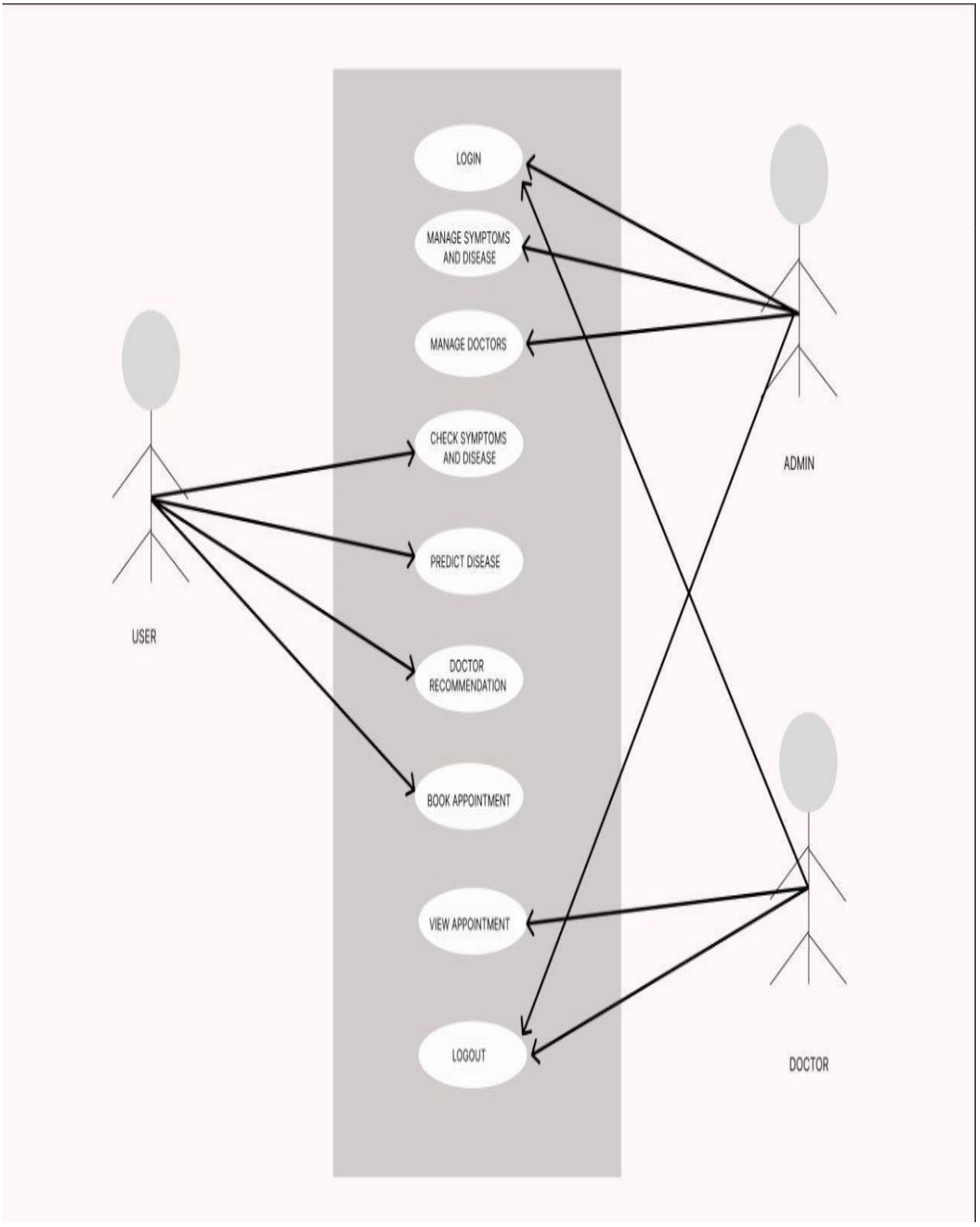
- Level 1: For Admin



- Level 1: For User



Use Case Diagram: -



Future Scope: -

- In future we can implement it as Mobile Application.
- We can deploy the project to any city or state.

Conclusion: -

As per the system we will implement the portal we will implement all the modules. User/Patient Module, Doctor Module, Disease Prediction, Doctor Recommendation
Admin Login, View Doctor Error free, user-friendly.

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