

A PROJECT PRESENTATION ON “Health Map”

Presented By :-

Anay Desai

(2020-B-18072002A)

Soham Gaikwad

(2020-B-26112002A)

Sree Charita Amaraneni

(2020-B-21102002A)

Specialization :-

BCA Cloud Technology & Information Security (CTIS)

Guided by :-

Prof. Ranjana Singh

Contents

- ▶ Abstract
- ▶ Problem Statement
- ▶ Proposed System
- ▶ Flow Diagram
- ▶ Methodology
- ▶ Future Scope
- ▶ System Output's
- ▶ Conclusion
- ▶ Reference's

Abstract

- ▶ Today healthcare industry has become a big money making business. The healthcare industry uses and produces quite a large amount of data which can be used to extract information about a particular disease for a patient.
- ▶ This information of healthcare will further be used for effective and best possible treatment for patient's health. This area also needs some improvement by using the informative data in healthcare sciences.
- ▶ The Disease Prediction System is an intelligent system that predicts the possibility of a person having a particular disease based on their symptoms.
- ▶ This Project is basically predict the disease based on your symptoms. After entering the system you can Login or Registration.
- ▶ The main aim of a disease prediction system is to identify potential health risks early on and provide individuals with personalized preventive measures to avoid or manage the disease.
- ▶ By analysing a variety of personal health data such as age, gender, medical history, lifestyle habits, and symptoms, the system can generate accurate predictions and offer customized recommendations to the user.

Problem Statement

- ▶ The current healthcare system relies heavily on doctors' expertise and experience to diagnose and treat diseases.
- ▶ However, due to the complexity of many diseases and the limited knowledge of medical professionals, misdiagnosis and delayed treatment can occur, leading to negative health outcomes for patients.
- ▶ The disease prediction system aims to address this problem to analyse patient data and predict the likelihood of developing certain diseases.
- ▶ The system can help doctors and as well as patient more informed decisions, identify potential health risks early, and provide more effective treatment.

Proposed System

- ▶ The proposed system for disease prediction would be an automated system that collects patient data, such as medical history, symptoms, and lab results, and uses that data to predict disease risk.
- ▶ This system would be able to provide personalized predictions based on a patient's unique data and would be able to continually learn and improve its accuracy over time.
- ▶ The data collection component would collect patient data from various sources, such as electronic health records and patient surveys.
- ▶ The proposed system would have several advantages over the existing system, including faster and more accurate diagnosis, reduced costs, and improved patient outcomes.
- ▶ Additionally, the proposed system would be able to provide real-time updates on disease risk, allowing patients and healthcare providers to take proactive steps to prevent disease.
- ▶ The main challenge in developing such a system is the accuracy of the predictions.

Methodology

► Front End:

HTML : Hypertext Markup Language (HTML) is the standard markup language for creating web pages and applications. Each page contains a series of connections to other pages called hyperlinks. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

CSS : Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language. CSS is designed primarily to enable the separation of presentation and content.



► Back End

PHP:

Is a widely used open source general purpose scripting language that is especially suited for web development and can be embedded into HTML basically, a server-side scripting language designed primarily for web development but also used as a general-purpose programming language.



► Database

MYSQL:

MySQL is a widely used relational database management system (RDBMS). MySQL is free and open-source. MySQL is ideal for both small and large applications.

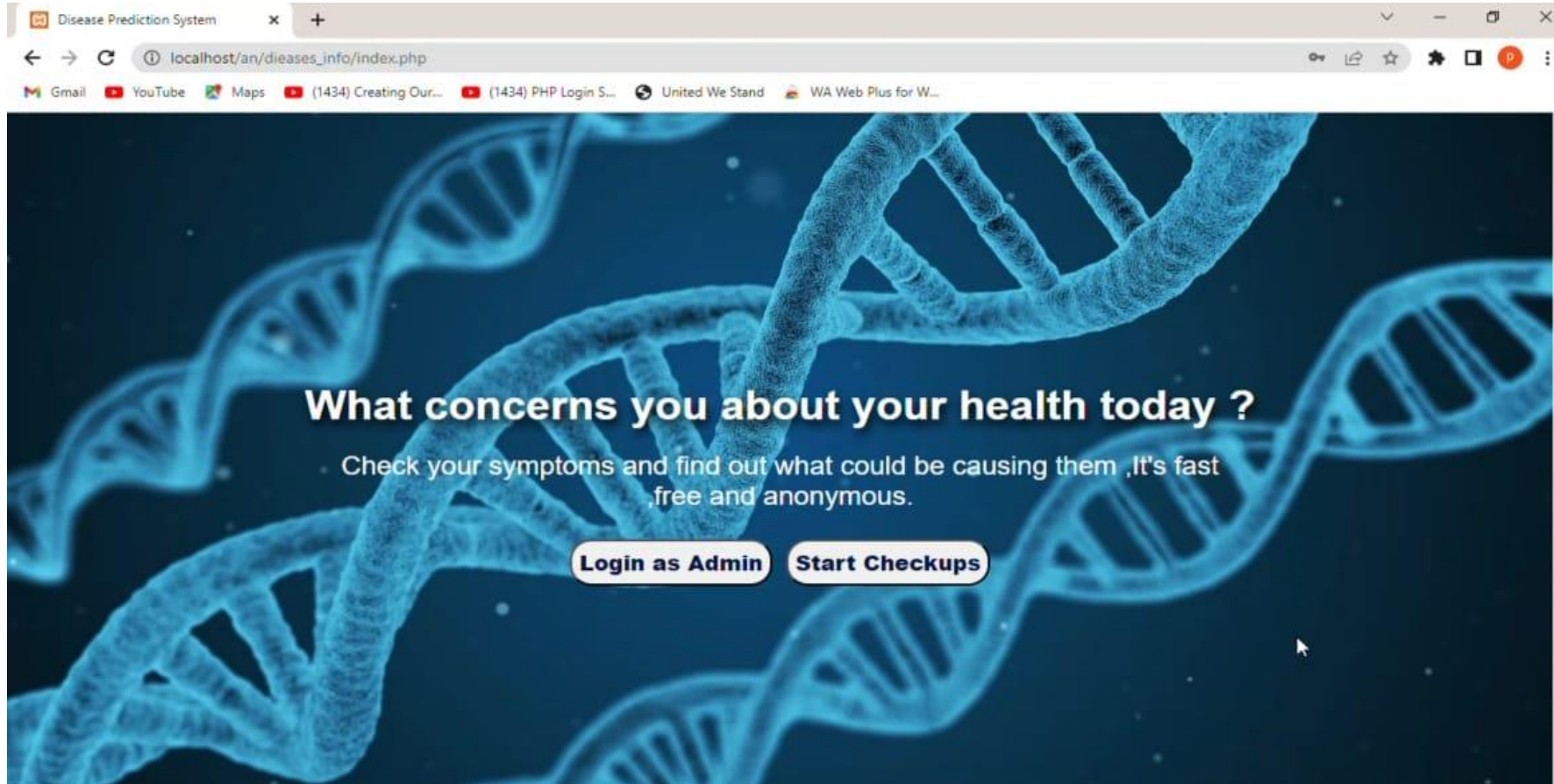


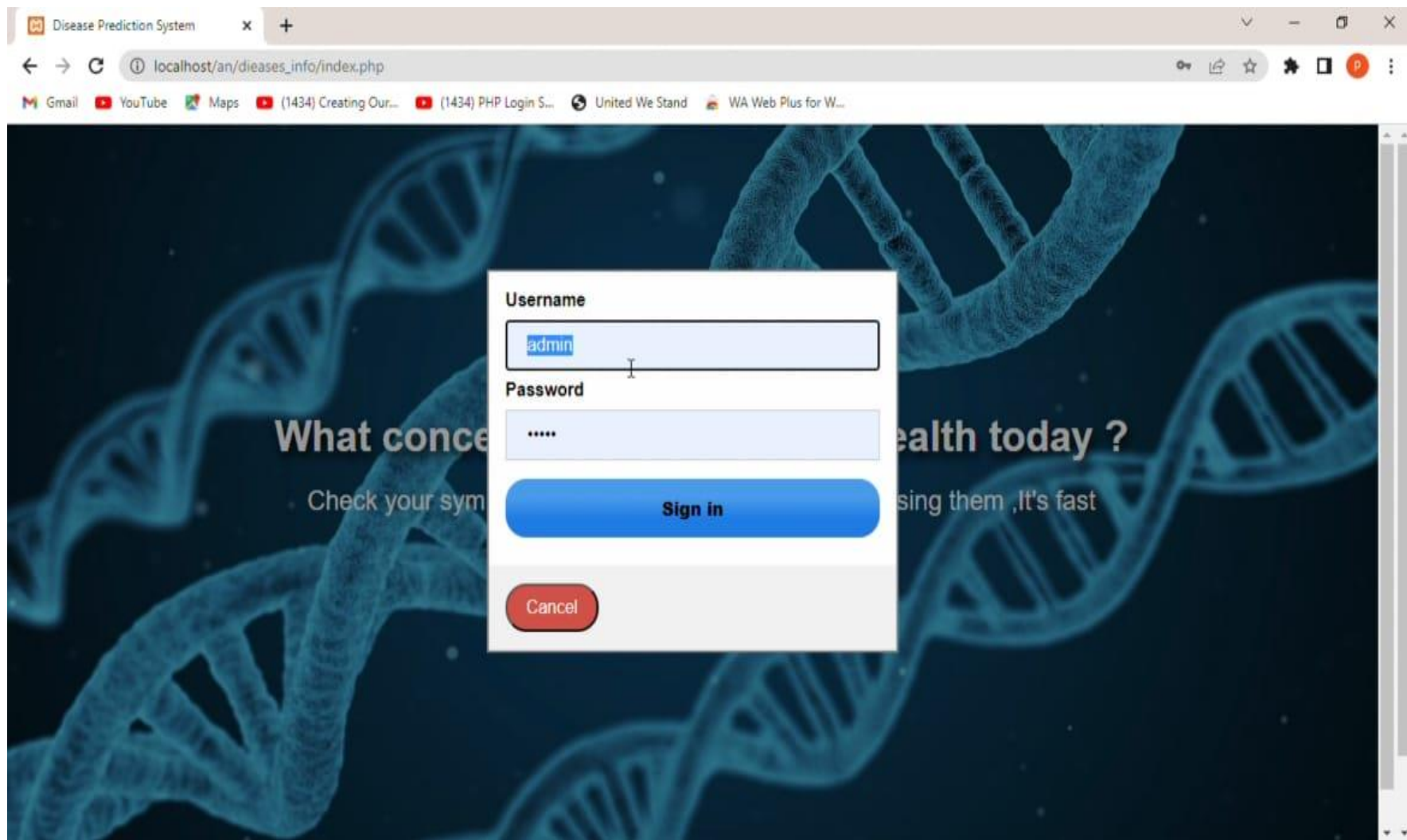
Future Scope

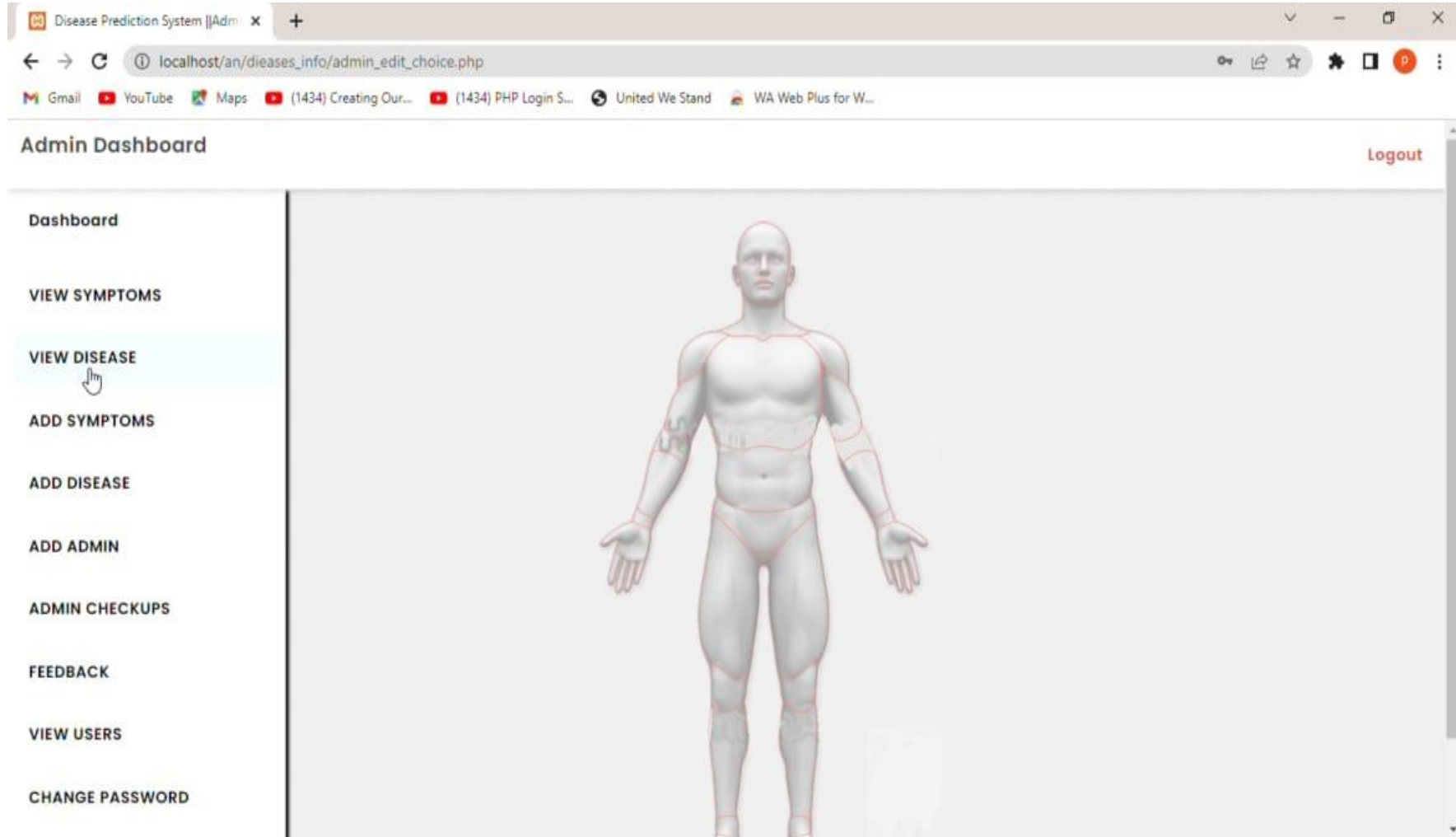
- ▶ As nowadays we can clearly witness the increase in use of computers and technology to consider a huge amount of data, computers are being used to perform various complex tasks with commendable accuracy rates.
- ▶ Machine learning (ML) is a collection of multiple techniques and algorithms which permit computers to execute such complex tasks in an simplified manner.
- ▶ It is also used in both academics which is for students or learners and also in industry to make accurate predictions and use these diverse sources of dataset and information.
- ▶ Till date we can say we have grown in the fields of big data, Machine learning, and data sciences etc. and have been a part of one of those industries which were able to collect such data and the staff to transform their goods and services in a desired manner.
- ▶ The learning methods developed for these industries and researches offer excellent potential to further improvise medical research and clinical care for the patients in the best possible manner.
- ▶ Machine learning uses mathematical algorithms and procedures which are used to describe the relationship between variables used in the model and the others.
- ▶ Though these algorithms work in different and unique manners depending on the way in which they are developed and used by the researchers. One way is to consider their supreme goals.

System's Output

► Main Page:







Admin Dashboard

Logout

View All the Symptoms for the Disease

Show 10 entries

Search:

#	Symptoms ID	Symptoms Name	Disease ID	Action
1	0		0	Edit Delete
2	2	Irritated eyes	2	Edit Delete
3	3	Fatigue eyes	3	Edit Delete
4	4	Decreases color sensivity	4	Edit Delete
5	5	Difficulty with night vision	5	Edit Delete
6	6	Dark , Floating Spots in your vision	6	Edit Delete
7	7	Nausea and Vomitting	7	Edit Delete
8	8	More frequent blinking	8	Edit Delete

Add Disease

localhost/an/diseases_info/add_disease.php

Gmail

YouTube

Maps

(1434) Creating Our...

(1434) PHP Login S...

United We Stand

WA Web Plus for W...

Admin Dashboard

Logout

ADD DISEASE

Home / ADD DISEASE

Enter Disease ID

Enter Disease Name

Enter Cause

ADD

Change your password

localhost/an/diseases_info/change_password_admin.php

Gmail

YouTube

Maps

(1434) Creating Our...

(1434) PHP Login S...

United We Stand

WA Web Plus for W...

Admin Dashboard

Logout

CHANGE YOUR PASSWORD

Home

 / CHANGE YOUR PASSWORD

Current Password

Enter Current Password

New Password

Enter New Password

Confirm Password

Confirm your password

Change

► User Registration Page:

Welcome to the disease Prediction: x +

localhost/an/diseases_info/intro.php

Go To Main Page Directly Logout

HELLOW !!!

You're about to use a short , safe checkup. Your answers will be c
you'll learn about possible cause

NOTE : Here, you can login or check and
registered yourself. Registered users ca
simply login by putting your userID and

this system then you can
. If you are already registered then

<< Login Register NEXT

REGISTRATION FORM


Username

Password

Email

Sign up

Cancel



► User Login Page:

Welcome to the disease Predicti... x +

localhost/an/diseases_info/intro.php

Gmail YouTube Maps (1434) Creating Our... (1434) PHP Login S... United We Stand WA Web Plus for W...

Go To Main Page Directly Logout

HELLOW !!!

You're about to use a short , safe checkup. Your answers will be c... you'll learn about possible cause...

NOTE : Here, you can login or check and... registered yourself. Registered users ca... simply login by putting your userID and Password. It's easy and free..

LOGIN FORM

Username

admin

Password

.....

Log in

Cancel

this system then you can... If you are already registered then

Login Register NEXT

Cause

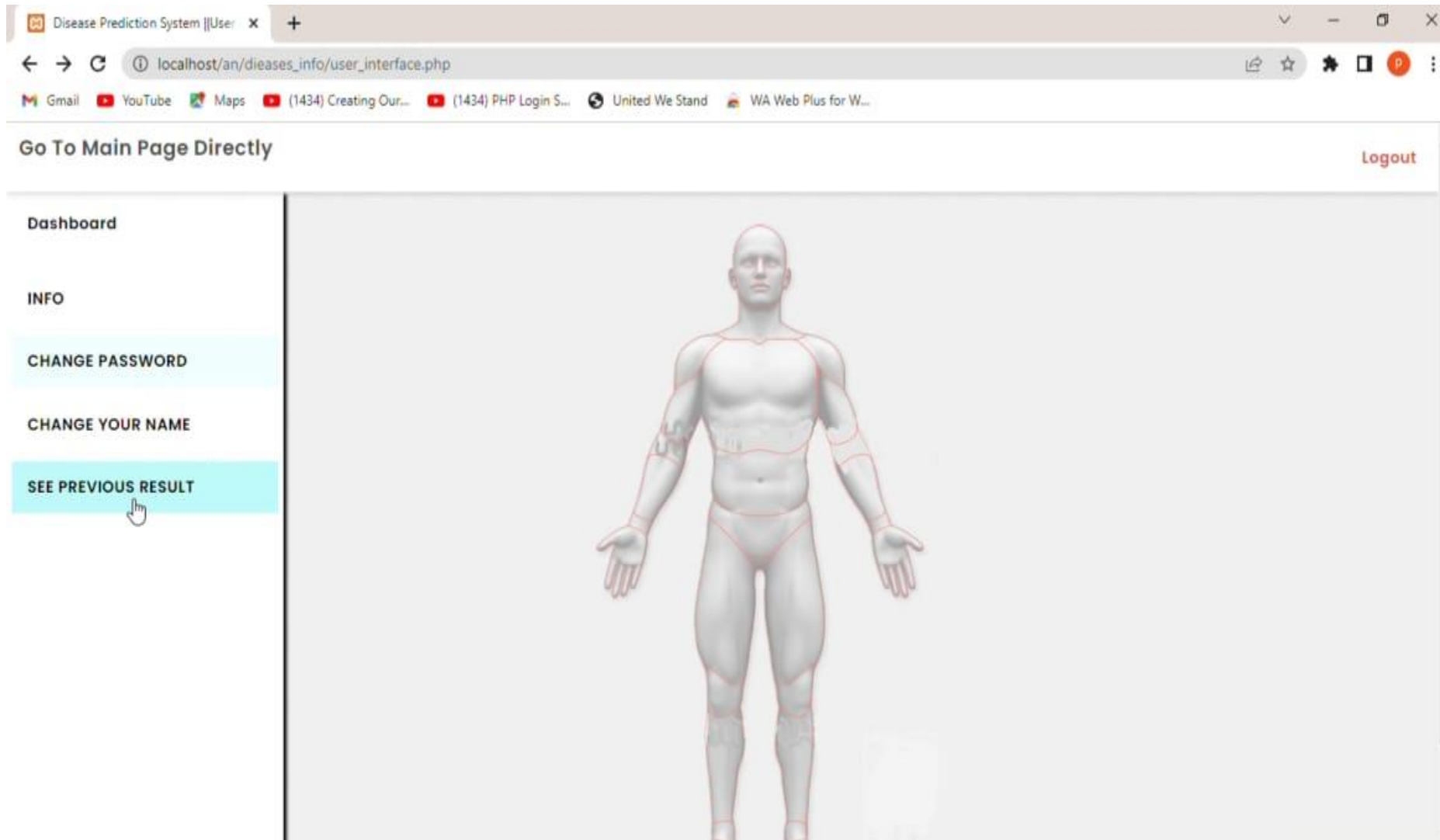
Some people are born with peripheral nerve disorders. Others are from nerve compression, like carpal tunnel syndrome or thoracic outlet syndrome. In some cases, like complex regional pain syndrome and brachial plexus injuries.

Hospital Suggestion for you to take treatment

Id	Hospital name	Hospital Address
1	apollo	aurangabad road nashik
2	Manavata	Indira nagar
3	City Hospital	Gangapur Road
4	Galaxy Hospital	Trimurti Chowck
5	Kalpataru	Uttam Nagar

Disclaimer : Please note that the information provided by this tool is provided solely for educational purposes and is not a qualified medical opinion. This information should not be considered advice or an opinion of a doctor or other health professional about your actual medical state, and you should see a doctor for any symptoms you may have. If you are experiencing a health emergency, you should call your local emergency number immediately to request emergency medical assistance.

► User Dashboard:



Please check all the symptoms below that apply to you

Select one answer in each row.

Do you have "Burning sensation"?	<input type="radio"/> Yes	<input type="radio"/> No
Do you have "Pain."?	<input type="radio"/> Yes	<input type="radio"/> No
Do you have " loss of joint function and deformities"?	<input type="radio"/> Yes	<input type="radio"/> No
Do you have "Swelling"?	<input type="radio"/> Yes	<input type="radio"/> No
Do you have "Numbness and tingling"?	<input type="radio"/> Yes	<input type="radio"/> No
Do you have "unable to move joint"?	<input type="radio"/> Yes	<input type="radio"/> No

[<<](#) [SUBMIT](#)

Cause

Some people are born with peripheral nerve disorders. Others are from nerve compression, like carpal tunnel syndrome or thoracic outlet syndrome. In some cases, like complex regional pain syndrome and brachial plexus injuries.

Hospital Suggestion for you to take treatment

Id	Hospital name	Hospital Address
1	apollo	aurangabad road nashik
2	Manavata	Indira nagar
3	City Hospital	Gangapur Road
4	Galaxy Hospital	Trimurti Chowck
5	Kalpataru	Uttam Nagar

Disclaimer : Please note that the information provided by this tool is provided solely for educational purposes and is not a qualified medical opinion. This information should not be considered advice or an opinion of a doctor or other health professional about your actual medical state, and you should see a doctor for any symptoms you may have. If you are experiencing a health emergency, you should call your local emergency number immediately to request emergency medical assistance.

Conclusion

- ▶ The Disease Prediction System is an intelligent system that can predict the likelihood of a person having a particular disease based on their symptoms.
- ▶ This system can be used by healthcare professionals and also patient to diagnose diseases early.
- ▶ The system can also be used by individuals to monitor their health and seek medical attention if necessary.
- ▶ The proposed system for disease prediction would be an automated system that collects patient data to predict disease risk.
- ▶ This system would have several advantages over the existing system, including faster and more accurate diagnosis, reduced costs, and improved patient outcomes.

References

- ▶ D. W. Bates, S. Saria, L. Ohno-Machado, A. Shah, and G. Escobar, “Big data in health care: using analytics to identify and manage high-risk and high-cost patients,” *Health Affairs*, vol. 33, no. 7, pp. 1123-1131, 2014.
- ▶ K.R.Lakshmi, Y.Nagesh and M.VeeraKrishna, ”Performance comparison of three data mining techniques for predicting kidney disease survivability”, *International Journal of Advances in Engineering Technology*, Mar. 2014.
- ▶ Mr. Chala Beyene, Prof. Pooja Kamat, “Survey on Prediction and Analysis the Occurrence of Heart Disease Using Data Mining Techniques”, *International Journal of Pure and Applied Mathematics*, 2018.
- ▶ www.google.com
- ▶ www.Wikipedia.com

