**SMART HEALTH SYSTEM**

**Group - 4 (5394.251)**

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**Introduction**

A smart health prediction system can help people to take care of their health which is also connected to the nearest healthcare centers. As we know that there are many patients who are unable to access the healthcare services due to various reasons like unavailable of appointments and other. So, this healthcare prediction system can help the patients to solve the problem by giving instant healthcare advice and guiding them from a licensed medical practitioner.

The smart health prediction application is an online consultation system for users. In which the system is filled with huge amount of healthcare data (symptoms and diseases or health issues associated with those symptoms). So, when a user enters their symptoms and medical problems, the application uses the data mining process to retrieve the data from the database and finds the most accurate match of illness/disease related to those symptoms. It is a user-friendly interface which collects the data from the user which should be in English format, so that it uses the keywords to find the disease.

Therefore, the app also provides the contact information of various medical specialists and practitioners with whom the patients can easily connect using this platform.

**Acceptance Testcases**

**Signup**

This function allows the user to sign up to the application. They need to enter their email id, password, contact details and his medical identification number. Once they have signed up, they can use these details to login.

Graphical user interface

Description automatically generated

**Login**

This function allows the user to login to the application by entering their email id and password which they have used while signing up. If they have not signed up, they cannot login to this application. If they forgot their password, they could reset their password.

**Graphical user interface

Description automatically generated**

**Update Information**

This function allows the user to sign into the application and update the contact details.

A screenshot of a computer

Description automatically generated

**Doctor Appointment Scheduler**

This function allows the customer to view the available dates and times of the corresponding doctors they want to make an appointment and allow them to schedule an appointment once all the parameters are met.

A screenshot of a computer

Description automatically generated with medium confidence

**Schedule an Appointment**

This function allows the customer to book the appointment by using the given date and time slot in the calendar, and after selecting the timeslot it pop ups a window showing to enter the following details email and phone number after that the appointment event will be booked.

Graphical user interface, application

Description automatically generated

Graphical user interface, application, table, Excel

Description automatically generated

**Delete an Appointment**

This function allows the customer to delete an appointment by clicking on the event it pop ups a window showing that “Are you sure do you want to delete the event” by clicking continue the appointment will be cancelled.

Graphical user interface, application, Teams

Description automatically generated

**Review**

This function allows the customer to give feedback about his IN Person consultation with the doctor, and the treatment which has been provided to him.

A screenshot of a computer

Description automatically generated

**Contact US**

This function allows the customer to raise a request by entering the details of the customer and entering the question which he/she wanted a clarity about it, and after sending the request they will reach out through a mail.

A screenshot of a computer

Description automatically generated with medium confidence