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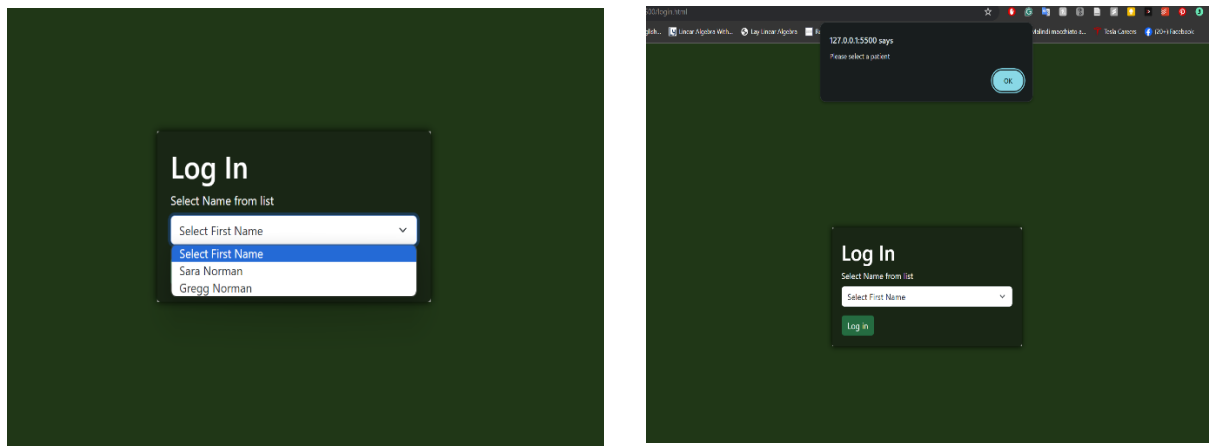
4/12/2023

Diabetes Monitoring System Interface

This project involves the making of an Interface meant to be used to Monitor Blood Glucose levels by diabetes patients.

The functions and features of the system are as follows:

Log in Page:

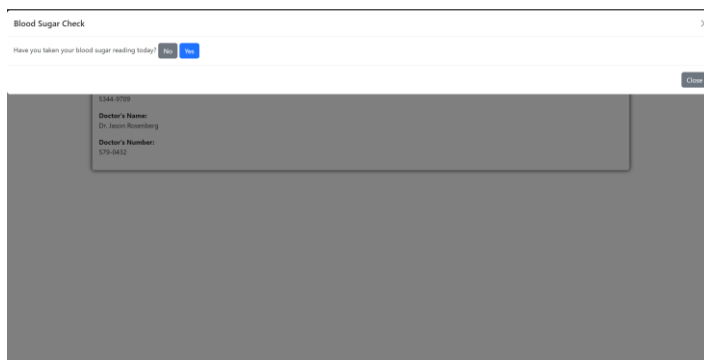


The log in page has a list of the patient (user) names and the user will select their name and hit the log in button to access their monitoring page.

If the user tries to log in without selecting their name an alert is sent to the browser for urging the user to select a patient from the list.

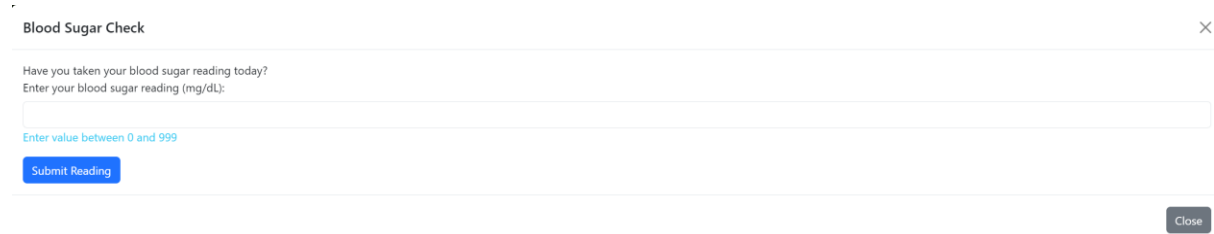
Monitoring Portal:

The monitoring portal consists of several features.



After logging in the user gets an alert asking them if they have checked their blood sugar. If yes, the notification closes and displays their patient information and their doctor's information.

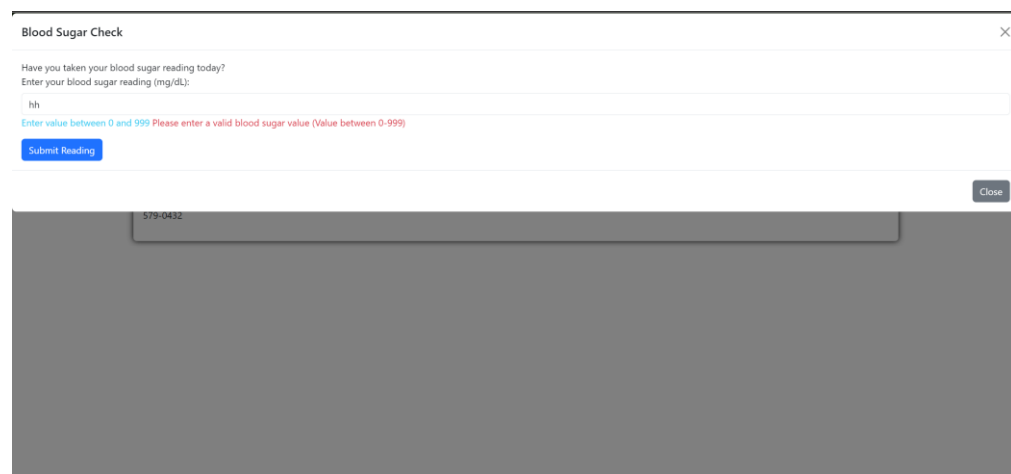
If the patient answers no, a form shows on the notice allowing the patient to record their blood sugar.



A modal window titled "Blood Sugar Check" with a close button (X) in the top right corner. The form asks "Have you taken your blood sugar reading today?" and "Enter your blood sugar reading (mg/dL):". Below the input field is a hint: "Enter value between 0 and 999". A blue "Submit Reading" button is at the bottom left, and a grey "Close" button is at the bottom right.

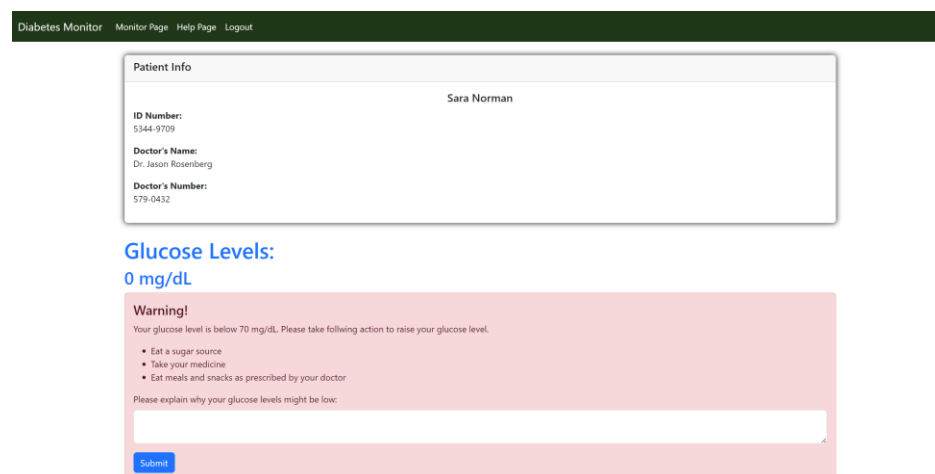
The patient can put in their blood sugar levels. Help is given to the user by specifying the units of measurement and the number limitations on the range of input.

If the user puts invalid input either a non-number value or a number not within the range specified. They get an error message in red specifying the input they have to put in and giving them information on why the input is rejected.



The "Blood Sugar Check" modal window is shown with an error. The input field contains "hh". Below the field, a red error message reads: "Enter value between 0 and 999 Please enter a valid blood sugar value (Value between 0-999)". The "Submit Reading" button is still visible at the bottom left, and the "Close" button is at the bottom right.

Once the user submits their reading they get one of three screens.



The "Diabetes Monitor" dashboard features a dark green header with navigation links: "Diabetes Monitor", "Monitor Page", "Help Page", and "Logout". The main content area is divided into two sections. The top section, titled "Patient Info", displays the name "Sara Norman" and lists the "ID Number: 5344-9709", "Doctor's Name: Dr. Jason Rosenberg", and "Doctor's Number: 579-0432". The bottom section, titled "Glucose Levels:", shows a reading of "0 mg/dL" in blue. Below this is a red "Warning!" box with the text: "Your glucose level is below 70 mg/dL. Please take following action to raise your glucose level." followed by a bulleted list: "Eat a sugar source", "Take your medicine", and "Eat meals and snacks as prescribed by your doctor". A text input field for "Please explain why your glucose levels might be low:" is provided, along with a blue "Submit" button.

Patient Info	
ID Number:	Sara Norman 5344-9709
Doctor's Name:	Dr. Jason Rosenberg
Doctor's Number:	579-0432

Glucose Levels:
80 mg/dL
Your glucose level is within normal range

Patient Info	
ID Number:	Sara Norman 5344-9709
Doctor's Name:	Dr. Jason Rosenberg
Doctor's Number:	579-0432

Glucose Levels:
777 mg/dL

Warning!	
Your glucose level is high above 70 mg/dL. Please take following action immediately	
• Call your doctor:	
Doctor's Name:	Dr. Jason Rosenberg
Doctor's Number:	579-0432
Is there a presence of ketones in your Urine? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Please explain why your glucose levels might be high:	
<input type="text"/>	

If the users blood sugar is low, they get a warning stating that their level is low, and they need to take action to raise their blood sugar levels. The text for this is in blue. If the level is normal, it shows the level in green with no notice. And if the level is high, it shows the level in red and it gives a notice to call their doctor with the doctor's contact information displayed. For both the low and high levels there is a text box taking an explanation as to why the level may be as such.

There is a log out button that then redirects back to the login page for the next user to use the system.