
RONNIE JONES

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Required Skills:

Java,Python,HTML,Web
Application,API,Databases

Preferred Team Communications:

Conference Call, to be discussed

Data Sources:

To Be discussed.

Other Items:

Project has time zone flexibility.
Mentors and students will
determine a good time for virtual
meeting

Team Info:

Needs a Developer, DBA, QA,
Analyst, Project Manager. Allows
one team of 4-6 members.

TYPE 2 DIABETES MANAGEMENT WITHOUT MEDICATION

Diabetes is a chronic disease and should be taken very seriously. Treatment for this disease require careful management of your daily lifestyle that includes what, when and how much you eat, exercising, keeping doctor appointments, knowing your blood glucose and in many cases taking medication. But not all cases of Type 2 Diabetes require that you take medication as a treatment/care option. In fact, the first course of action that a physician should implement is to try to manage this condition without the use of medication. This means that course of action should be precise and customizable to fit those specific needs of the individual.

PROJECT OBJECTIVES

Design and develop web application to track and manage the daily activities of a person living with Type 2 Diabetes. The application should perform as a personal coach and incorporate tools for tracking the following:

Meals: Offer meal suggestions for breakfast, lunch and dinner (including snacks). The ability to maintain a meal diary as well as provide a nutrient summary of each meal.

Exercise: Provide the ability to create an exercise program consisting of various types of exercises. Should also be able to import external files from exports from tracker applications such as Fitbit.

Weight Management: There should be a feature that allows the user to keep track of their weight which could support entry per day or week or bi-weekly tracking. The ability to remind the user to enter their weight whenever there is a break in the desired frequency.

Doctor Appointment Reminders: Provide a calendar that can send alerts via email or text of upcoming doctor appointments. Note: The calendar functionality should span across all tools.

Communication Portal: Provide the ability to package an on-demand collection of data stored for each of the various tools. For example, provide the meal summary over the course of several days or weeks.

SUCCESSFUL PROJECT

To Be Discussed

Intellectual Property: None