Provide a program to people living with medical conditions.

* Should track client condition and if client condition is improving or declining.
* The primary focus (theme) of the program should be healthy living (medical conditions)
* The program has to support this by tracking the client’s improvement and state over time in the database.
* The idea is to make a program for a diet related system
* There should be a dietitian list and a parent table to house their information such as cost for an appointment and so fourth
* There should be a parent table for the customer to house their information such as height, weight and so fourth. They should be able to read their invoices and make appointments.

**Ideas for properties/functions in the PAT:**

* Calendar to make appointments
* Get an invoice after a visit and store as a txt file
* An admin could sort all the clients in the database according to their Name/Surname. They should also be able to sort the clients based on other factors such as height, weight, condition, age and other factors.
* Can use an the daily report email for one time verification codes, however this might take a while and as it is only for a school project, I should not do this for sign ins.
  + Perhaps send a welcome message if the user added their email address.
* Can use the daily report as a newsletter option
  + For example, send one of the blogs in a newsletter option from the txt file.
* Use email in password recovery, send a code and if the code the user types in = the code the user received in their email, the user will be allowed to login to their account.
* Add a blog to the homepage which will allow you to add new content and allow users to read it, even if they are not sighed in.
  + Headings should be shown
  + Picture should be displayed
  + Select blog from list
  + Display is richedit?
* The dietitian should be able to get information such as height and other factors from the client and read it into the database

**Text file usage:**

* Invoices should be stored as txt files
  + Create a directory for each client that contains their invoices
  + The directory should be names after their primary key
  + The txt files(their invoices) should be named after the date (can also add a small summary for user clarification after the date)
* Info about invoices in txt file (the txt file of the invoices name)
  + This is done to easily sort the names of the invoices from the newest to the oldest.
  + The client can then delete the invoices older than a certain time or only keep a few of the newest ones.
  + Used to read the names of invoices into an array
* Usernames and passwords for login (with the primary key?)
  + Username can be a number such as their id
  + This can them be used to access the data of the user in the access database.
  + Passwords must be encrypted
    - Use the generated codes of 1000/100/10 key
* Store the newsletter list in a txt file and read from it.

**Array usage:**

* Allow the user to sort their invoices into an array, from the newest to the oldest, and then delete all the invoices except for a selection of the newest ones
* Sort the clients according to specifications such as the tallest to the shortest or the most severe condition to the least severe condition.
* Users can read their invoice file names in an array and then display each one to a rich-edit, clear the rich-edit and display the next when a button is clicked

**Procedures:**

* Call the correct exe that will be used for sending emails

**Functions:**

* See if an account already exits
* Encrypt Password
* Decrypt Password

**Example of user story:**

* I am a person who wants to improve my health. I need to see a dietitian to give me advice and help me plan on how I can get healthier.
* I am the dietitian that wants to help and give advice to people to live healthier. I need a program that can store the data and information of my clients. I should also be able to track the conditions of my clients and give them advice

**Users:**

* Admin 1(dietitian)
  + See client information
    - Information that they put in during their account creation
      * Also display image
    - Information from previous sessions with the dietitian
  + See client progress
  + Change client information
    - Height
    - Weight
    - Condition severity
    - Add comments about client
  + Issue invoices
  + Create a database that contains all the invoices of all the users and that can’t be deleted except on a system wipe.
  + Send the newsletter to the email address in the txt file
    - Select message they want to send
    - Create a custom message
* Admin 2 (System manager)
  + Wipe the database
  + Reset the system
  + Cannot see client information
* Client (Patient with medical needs)
  + Create an account
    - Add information as:
      * Gender
      * Age (Birth date- calculate age)
      * Job
      * Email
      * How many hours of exercise per week
      * Optional:
        + Photo of themselves

Stores in their folder

Rename to constant

Display the image in an image component

* + - When they create an account; a new directory with their primary key as its name will be created
      * In it there will be a txt file where the names of their invoices will be stores
      * This will be used for the sorting and deleting of their invoices
    - The clients invoices will be saved to this directory
  + Change password of their account
  + Make an appointment
  + See their invoices
    - Loop thru txt file containing information on the names of the invoice files and then display them to a rich edit. Can also read them into a combo-box and allow the user to select the invoice that they want to observe
  + See their next recommended date for visit to the dietitian
  + See their progress