

Product Design

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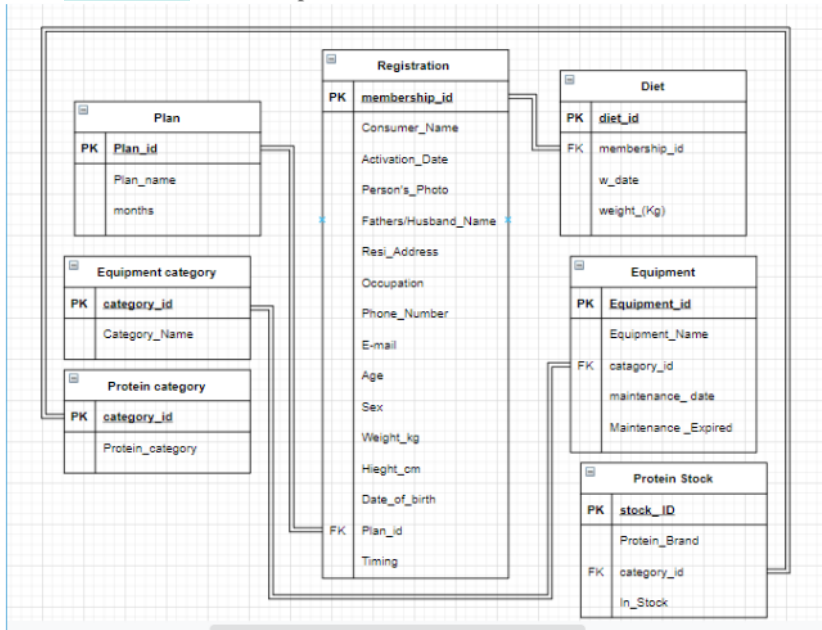
Character count: 4025

4

Criterion D: Product Design

Overall Structure

Table Structure and Relationship



Commented [1]: add table structure

Main-Menu Page

Gym Management System

LOGO

New Registration

Dashboard

Subscriptions

equipment

Protein Stock

Diet

Hydra body and fitness

Subscribers

XX Members

View

Expired Subscriptions

XX Members

View

Protein Powder stock available

XX In Stock

View

Pending Maintenance

XX Members

View


Form Designs
Member Form

Gym Equipments

New Equipment

Close

Manage Category




Equipment Name


XYZ

category

XYZ



Maintenance date



Maintenance Expired


XYZ

Equipment Category Form

Equipment Category

Add New...

Close



Category Name

XYZ

Protein Stock Form

Protein Stock

Close

Manage Category

Protein Brand

XYZ

Protein category

XYZ

In Stock:

XYZ

Protein Category

Protein Category

Add New

Close

Protein category Name


XYZ

Diet Form

Diet

ADD

Close

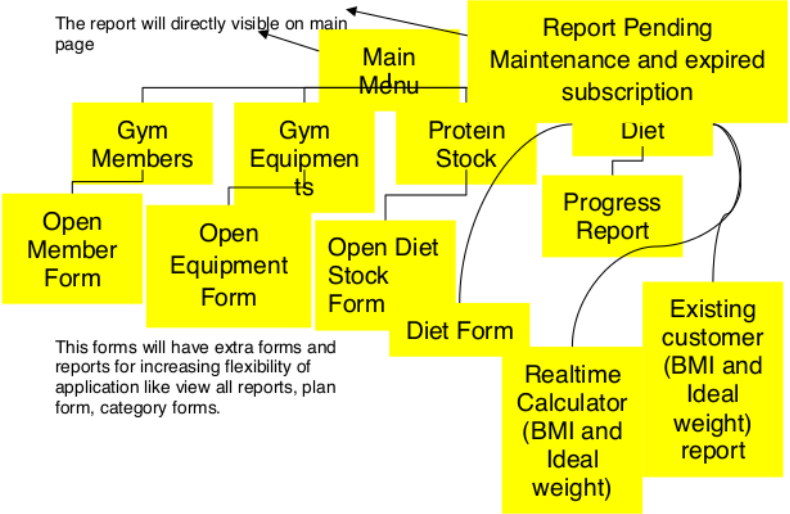
Customer Name	XYZ
Date	
Weight (KG)	XYZ

Report Design

Expired Subscription

[illegible]

Navigation Diagram



3 Internal Structure

List of Resources and Techniques

Resources	Details
Data	Data such as sample data, calculations

	performed, gym logo, information of gym which is provided my client RAM
Microsoft Access 2016 (Learning resources: <ul style="list-style-type: none"> How to use Microsoft Access - Beginner Tutorial: https://youtu.be/ubmwp8kbfPc Calculate Dates in Access: https://youtu.be/gS_KUeCEvaQ 	Microsoft access is a tool that I am going to use to develop the application. It is a tool used for data manipulation and uses a database. It has various features to develop an application. Comes with a microsoft office. Learning the Ms access using resources.
Adobe Photoshop CC 2019: https://youtu.be/lhmXoD15dKg	It's an image manipulation tool that is needed to resize the gym logo and do minor editing.
Microsoft visual basic for application (Learning resources: <ul style="list-style-type: none"> VBA - If Statement: https://youtu.be/d5-XKNC5whc 	It is an application to do the VBA programming by which I can create custom functions that I can use in my application. I will learn some basics of vba using these resources.

Techniques	Details
Tables	Tables will be used to name the field and setting and appropriate datatype for it for example if the consumer name is the field its datatype will be string , not a number or boolean.
Relationships	In the tables, there will be the data that will be redundant like in the diet table when the entry will be done then it will repeat the customer name. Taking names from another table can be very useful. Using the concept of primary key and foreign key.
Unique Id	Each entry in the table will have its own unique identification which will be done by using an auto-number data field. Giving a unique id can be useful to get accurate data.
Forms	Forms will be useful in creating the User

Product Testing						
Main Menu		Switchboard	Showing all the elements for navigation	Works: the switchboard able to show buttons for navigation		Main-menu when the application is opened the end user lands on it.
Forms	Fields are shown and the data	Forms	All the fields are correctly displayed and the data is enterable	Works: The forms are working and the data is viewable and editable		When the buttons are clicked on main menu it opens the form
Buttons	Sample data	buttons	Buttons are clickable and perform their action	Works: the buttons are able to perform various		Buttons are located in main menu and forms

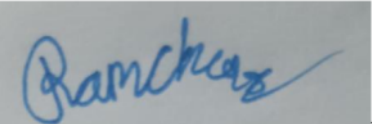
				action such as insert, delete and search		
Parameter Inputs	Sample data	Parameter s input	The application asks for input	Works: parameter s inputs are working it asks for input when there is need of one		Paramete r input is in the realtime calculator and view progress report.
Charts	Sample data	charts	Display the charts	Does not Work	I was not able to integrate this function in the application as the application does not allow me to make accurate graphs and i can't find the way to integrate it.	
Reports	Sample data	reports	Display the reports	Works: the reports are viewable with the data which they		The main reports of expired subscripti on and maintena nce are in main menu and other

				intend to show.		report are used to function view all report
Relationships	Sample data	relationships	The components are working in a relationship	Works: relationships works and has been used thoroughly in the application to perform its functionality.		It is not visible in the application it is something which is on backend

2
Agreement of Client

Client Signature

I confirm that the requirement specification meets my needs and the designs above are appropriate for the creation of



Product Design

ORIGINALITY REPORT

7%

SIMILARITY INDEX

6%

INTERNET SOURCES

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