

## **Assistant for tracking customers of the treadmills produced by CardioGood Fitness**

This application keeps track of purchases of all treadmills of the company. It helps workers to store and analyze the sale of products.

A data sample can be accessed *here*:

<https://www.kaggle.com/datasets/saurav9786/cardiogoodfitness>

### **Data**

- Product purchased (*TM195, TM498, or TM798*)
- Gender (*Male, Female*)
- Age in years (*integer number*)
- Relationship status (*single or partnered*)
- Annual household income (*int number: dollars in year*)
- Self-rated fitness on an 1-to-5 scale (*integer number: 1 - poor shape, 5 – excellent shape*)

*Other fields from the original data table must be excluded.*

### **List of features that should be implemented**

- Mandatory features.
- Filter by the name of the product.
- Button «Statistics» that open a new window with piechart. It should illustrate the distribution and quantity of all bought products. (Here also can be added comparison of other fields. If update graphs is too difficult it can be replaced by new table that summarize the information about the customers of each product. Here should be average value of all fields from the main table).
- A button «Add purchase». It opens a new window where worker can add purchase to the base.
- Adding logging to the system. When someone opens the application, he needs to input password that confirm that the person is a worker. Also, can be added different accounts name and the person will need to input username and the password. (This is extra feature which would be nice to implement).

How it should look like

Welcome to the system!

<b>Username</b>	...
<b>Password</b>	...



Statistics

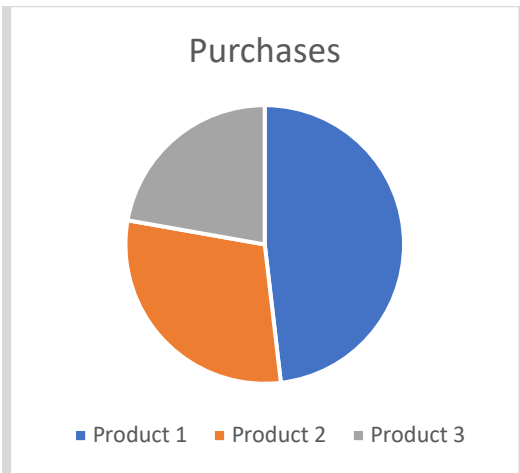
Add Purchase

List of all purchases of CardioGood Fitness

Product	Gender	Age	Relationship	Income	Fitness
TM195	Male	22	Single	69420	2
...Other lines of the table...					



Close



Close

Input details of purchase

Product	...
Gender	...
Age	...
Relationship	...
Income	...
Fitness	...

Send Information