Milosz Klinikowski (30058691)

Graded Unit Project Plan

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Project Brief

Graded unit project we were assigned will test my ability to plan, develop and evaluate a project with a topic of my own choice. The product must allow coordinator to examine a system design and a solution of implementation.

My Product

For my project I decided to make a database for a Bakery. I have decided to go for this idea because my mother was always passionate about baking and wanted to open her bakery in the future, so I believe this kind of product will be a huge aid for her business. This kind of product will also be available to work with other Bakeries so there is always a way to upgrade and update my product.

Main Functions

* **Storage and Access of the Stock**

The user will be able to access and modify their stock which will help with organization of bakery.

* **Sales averages**

The product will be able to determinate which commodity sales best so the bakery can adapt to demand.

* **Stock reminders**

Bakery will be reminded if certain products are low on stock. For example, if the flour delivery is once a week and there is not enough or too much product the bakery will know how much to order for the coming week.

* **Clients Data**

It will keep track of all the orders and client’s information for future orders.

* **Other features**

The database will also include some smaller functions, many queries for easy comparisons, tables and records

I am planning to keep all the features above included in the final product however some details may be changed in the end.

Aims and Objectives

The aim of this project is to develop a database and application as a front end, which will indulge to the requirements. Objectives include having the plan, competition of project and evaluation before deadline.

Target Customer

The target customer is any owner of bakery and perhaps a small private baker.

Accessibility

This is quite important as the product must be very easy to use as not to waste too much time of the user.

Functional Requirements

* The application will have Add a product function
* The application will have Edit product storage function
* The application will have Add client info function
* The application will have View products information function
* The database will be able to store products and clients’ details

Non-Functional Requirements

* The application must be easily accessible for the user
* The application must work efficiently with database

Assets

In this part I will explain what kind of equipment was required for achieving this project and explain a little bit how it was used.

Location

Most of my work on this project will be done at home because I have unlimited time and better hardware to work with. I will also work and consult with my lecturer in class at NESCOL.

Hardware

* Laptop  
  I will mostly use laptop in class and to present to my tutor what I came up with.
* PC  
  I will mostly be working on my PC at home because it is more capable than my laptop.
* Monitor  
  I will be using 3 monitors connected to my PC for increased productivity.
* Input devices  
  I will use keyboard, mouse and touchpad for input

Software

* Opera  
  I will use this web browser for any research I have to carry out during implementation of my project
* Microsoft Word  
  I will use this word processing software for doing reports and proposal such as this one

I will talk about programming language and RDBMS in a different topic.

Unique selling point and Examples

I believe my product will be something quite new to the market. It will be much made much simpler than competitors. I’ve been working in Burger King and Dominos, and I have to say their systems were quite outdated. Their software seems to be a bit complicated for unexperienced users. My software however will be aimed for smaller private businesses and not a franchise.

I found a website called “Cybake”, it is quite like my own product. However, this product is more of a website application.

Website: Cybake.com

Graphical user interface, application

Description automatically generated

Graphical user interface, text, PowerPoint

Description automatically generated

They have some good promotion materials on their website like a hot topic that is today which is AI. The website is simple and pleasing to the eye, they use friendly colours and utilize simple look. Their software has many useful features.

I believe even with all that amazing thing this software offers there is still a lot of room for improvement. Their software doesn’t have standalone application for computers. Their software may be quite overwhelming for new users. The software is expensive one, the website doesn’t state the price and I could find it after googling it however it is easy to assume this software is not a cheap one.

Use Case Model

Diagram

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