Collection of programming assignments in English

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Cottage Rental Agency

PROJECT SUBMISSION



In connection with your school to be made a project "Sommerhusudlejning" (cottage rental agency).   
The project will consist of as well program with associated database and documentation.   
  
As the projects must be compared and evaluated in relation to each other, it is important that You make an extra effort to achieve a good result. We evaluate both the program structure, clarity and of course its functionality.   
  
The program's user interface must be thought out, easy to use, there should be reservation for instance input errors - where it will be numbers, it may only be numbers, etc.   
   
A good design will also have an impact.   
  
Imagine, in general, that a customer must choose between your programs.

The program will be used in a cottage rental agency. The holiday cottages are all located in Denmark, but letting the foreigners will be possible.   
Prices are given both in dkr and the euro.   
The following basic requirements must meet program:   
(Other features are to your imagination free and capabilities

Basic requirements:   
• Management of homes (control = creation, correction, search, and deletion) .  
• Management of owners of second homes - an owner can not be erased as long as the owner has

active homes.   
• Management of customers - a customer can not be erased as long as there is a vacant rental period.   
• Management of rental periods, and the differential prices for holidays.   
• Search on customers, in marketing.   
• Search on homes in price, location (zip codes, possibly. Counties), and the number of people.   
• Rental periods throughout the week during the holiday season. Outside holiday periods, it will be possible weekend rental.

When the project is finished delivered this as follows:   
Documentation comes in printed copies to the teacher and group members containing:   
• Requirements   
• Technical Documentation   
• code, sql   
  
The entire project is delivered on CD and file server   
  
Documentation must be a minimum:   
• Project Spreads   
• Introduction   
• Project   
• Estimated schedule   
• Requirements Specification - approved by the teacher before the project continued   
• Technical documentation   
o Use cases   
o Flowcharts   
• A description of all methods / functions   
• tables drawn with ER diagrams, so that the mutual relations is evident   
• All sql sentences   
• All source codes.   
• Realized schedule   
• Individual diaries   
• Conclusion

CROWN TAXI

# Programming assignment



CROWN TAXI

Asking you to produce a program to manage their daily routines.   
  
Crown Taxi, a startup company around. 40 cars connected.   
There are 5 taxi stands in Crown Taxi's territory.   
  
When a car starts to "work" must be reported to, and reported from when not in operation more.   
The cars will arise when they are at a stopping place, with car number and team site No   
  
The car will arise support when it is busy, as well as the destination of the trip.   
  
The system must be able to keep track of reservations for tours, 30 minutes before a reservation system will make telephone operator noted that a taxi should be called.   
  
With emphasis on ease of use.   
  
Using tabs instead of several Forms, and do not use time to problems with transfer between classes.

Hairfasion

PROJECT SUBMISSION



Hair Salon "Hairfasion", a modern hairdresser, they have everything they need to run a profitable business, Holder has now been given the idea that a modern computer system might make business more efficient, and the customer still feel in the center .

In connection with your school to be creating a project, You will be instructed to devise a good and easily usable system. This will simultaneously give you a glimpse of what awaits you when you get married. (Perhaps you have chosen the wrong job).

The project will consist of as well program with associated database, as proof.   
  
The program's user interface must be thought out, easy to use, there should be taken care of user errors. (where it should be numbers, it may only be numbers, etc.)   
A good design will be preferred ..   
  
  
The main things:   
Managing customers   
Managing staff   
Managing appointment   
At each shearing / dyeing recorded on the color, hairstyle No

Prices:   
Cut gentlemen 320, --   
Beard 160 --   
Cut Children under 10 years 295 --   
Cut easy hair dryer 405, --   
Cut hair dryer brush 544 --   
forehead hair 55 --   
Colour Diacolour 375, --   
Colour bottom 375, --   
Colour completely hair 475, --   
Wash hair dryer 280 --   
Wash water undulation 280 --   
Permanent 985, --   
Setting 689, --   
eyebrows 50, --   
eyebrows and eyelashes 220 --   
eyelashes colour 110 --   
Make-up 495, --   
Bride solo 2079, --   
Bride included make-up 2500, --

There is a very good mood among the staff, the owner would like to acknowledge this, and retain the talented hairdressers. Therefore, each employee in addition to the fixed salary get a bonus of 5% of the employee's bills.   
Calculations are performed automatically every 1 in months.

Project Launching Hotel Management



Please produced a program for managing the reception in a hotel   
  
Managing rooms   
Booking, prices, room types   
Management of conference rooms   
Booking, AV equipment tables and chairs, etc.   
Managing serving at conferences / festivals   
Managing Watch / cleaning staff   
Management of cleaning the rooms, daily, and when a guest leaves the room.   
  
Management of settlement / print the invoice, including minibar and serving in the restaurant.

Programming assignment.

Mr. Summer luxury icecream



MR Summer has started his own businesses.   
Summer is to sell icecream to the entire denmark.   
  
For better management of total sales, and the seller, ordering Mr Sommer a specially-designed program.   
  
The program will be able to run both within the firm as home via a remote connection. There should NOT take into account the multi-user problem. The program is run by one at a time.   
  
Please provide a login, as it is a good way to identify users.

The administration department should be able to see what each seller has sold and when.   
Vendors are commission paid, on each product is listed on the sellers receive a percentage each time they sell the product. Besides the commission may at times be campaign on a product in this period if the seller a fixed amount added to the commission rate.   
  
In addition to vendors administration functions should be:   
Create, edit and delete: products, vendors and customers   
It should also be possible to get a list of the company top5 sold products.   
Monthly best seller, who has sold the most?   
Monthly best customer who has purchased most?   
Each seller's commission must be calculated in a given month.   
  
Data for registration are as follows:

Product name, description, price, number of units sold, date of commission rate, sales campaign.   
Vendor's name and the name of the customer

Vendors have to approach an interface where they can enter the necessary data to the database, which will make it possible to extract various statistics.   
  
Vendors have also approach to an interface where it is possible to search their data.   
There must be displayed seller's total sales per month (number and price), the seller's sale of a product per month (product number and price), total sales to customer per month, sales of a particular product for specific customer per month and obtained a commission per month.   
There must be no approach to other sellers data, or other sellers customers.

Examples of ice

Product price commissionrate campaign   
  
Family Package 129 15 5   
Luxury Package 149 15   
Economic Package 199 15   
Summer Package 99 15 5   
Choko-Lux 74 15   
American 70 15   
Summer Dream 70 15   
Sand Witch 70 15   
Ice Boat 70 15 8   
Double Nougat 70 15   
Fruit Dream 70 15   
ChokoCrisp 70 15   
Sorbella 70 15   
Huge Eskimo 70 15   
  
Maxi Classic 70 18   
Maxi Mandel 70 18   
Maxi Toffees 70 18   
  
Wedding Cake ice 99 20   
Party ice Cake 119 20 5   
Nougat ice cake 99 20   
Song 159 20 10   
Happy 64 15

Project Movie Database



Manufactured individually.   
  
  
Movie database to keep track of movies.

* genre
* title
* actors
* media
* instructor
* duration
* rating
* description)

You must use a Windows program consisting of at least 3 Forms   
  
The database will consist of at least 2 tables   
  
Try to get user-friendliness of the center.

Miss Vera Nice.

Miss Vera Nice lives in a fashionable neighborhood in Valby, she runs a small guesthouse.  
Vera Nice has 7 rooms that she rents out.  
  
Her tenants are young women.  
  
Women have a huge circle of friends (many friends), it is enormously noisy if there is more than one guest same time at each of her tenants. That is why Miss Vera Nice has to fix a rule, which says “only one guest at a time with each tenant”.

To make it easy and efficient are tenants are agreed to ask Vera Nice to track for just a friend visiting each one at a time.  
  
As payment for this service the “friends” who visit their girlfriends are asked to pay a small fee to Miss Vera Nice.  
  
Vera Nice asks you to create a small application for registration of tenants, and keep track of the fact that only one friend visits at a time. (You can just call it a reservation system).