# Report

## Dag bog

uge 50: Lavede program og databasen

Uge 2: lavede Diagrammer og rapport

## Opbygning

I have made 5 classes to act to users request such as Insert data, delete data, search data, update data and show data

Every class contains a connection string and SQL statements

the program will connect to the database only when it’s necessary

when user request to update personal data, user can’t change one data only because it is a console program. User must replace almost all the data that needs to update. This method will also make data accurate

when deleting data user must specify the username which is two capital letters

when searching data user should specify a car number plate. (find the owner and car details)

inserting data is simple just must follow the program

## Problem solving

It is sometimes hard to make console apps user-friendly there it’s easy to make mistakes and crash the program and sometimes user must start all over again.

I came up with a small solution for it.

The program will guide the user every time, so it will be heard to make mistakes and if there is a mistake the program will not crash it will just print out the error report due to the (try and catch).

## Database

There are 3 tables to contain different data and I have made keys to maintain overloading useless data and maintain logic for example a user can’t have a car that is not existent in the car table so when user create a new user he/she must add a car

When user add a car, it will be there forever and if another user say he has the same car it will give an error saying the car is used by another user. (two users can’t have the same car)

## Kildeliste

<https://www.w3schools.com/sql/default.asp>