

Alco Meter

Group 7

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Introduction:

This document explains about the Application “ALCO METER” we developed at QT code camp 2010. We will explain about the features and how the application works and the usage of the application and the technologies in QT used to develop the application.

Idea:

The basic idea is to create this application is to avoid the drink and drive situations as people some time drives without the knowing the rules thinking that they are in a condition to drive the car.

Features:

Takes Input results.

Calculate the alcohol content in blood.

Displays message about the condition of the body.

Alco Meter:



- Manually enter the values.
- Enter gender value (Male/Female).
- Enter Weight in Pounds/Kgs (U can choose from the list available) .
- Enter the type of drink from the list available.
- Enter the quantity of drinks and the time.

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- Gender and time is provided in the Alco meter because blood content in the alcohol will differ based on gender and weight.
- Time is used to calculate the exact percentage of blood alcohol in the body.
- The content of alcohol will be reduced in blood after 1 hour at the rate of 0.0015%.

Screen Shot



- The Alco meter calculate with the data entered and displays the message in the message box.
- The calculation is done based on the formula provided by the BAC (Blood Alcohol).
- It shows the body condition and the content of alcohol in blood in percentage.
- The message displays in the message shows whether u can drive the car or not.

QT Technologies:

We use QT creator and QT simulator to create the application. The calculation part is done at back end.

Conclusion:

During the development of our application we came to know that we can create complex applications using QT platform. Using QT we can develop mobile applications for maemo, symbian and windows mobiles. Using QT creator it is easy to create the application with good visual effects with good layouts and colors. It is easy to work on QT platform to create mobile applications, Even though we are not completely familiar with QT platform, but there will be large scope that companies will use QT to develop mobile applications in future.