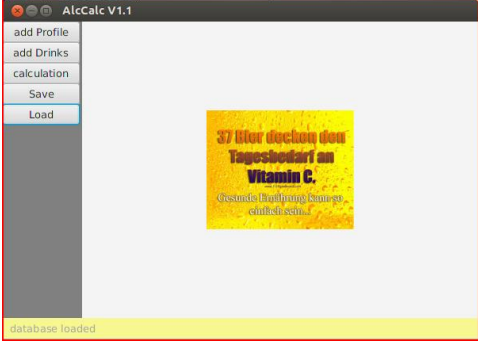
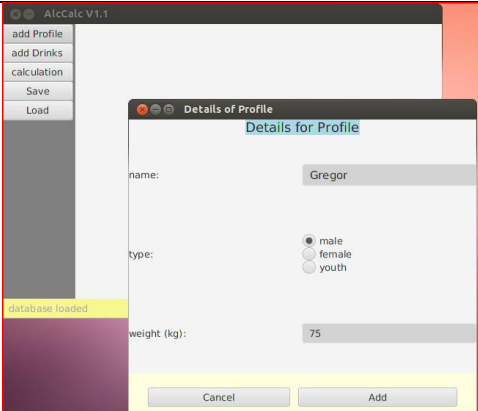
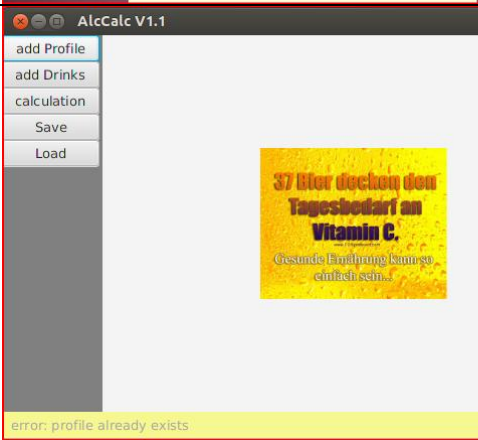
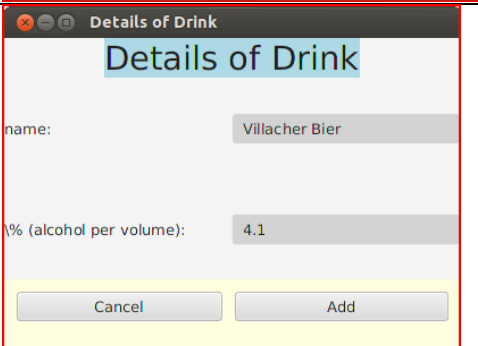
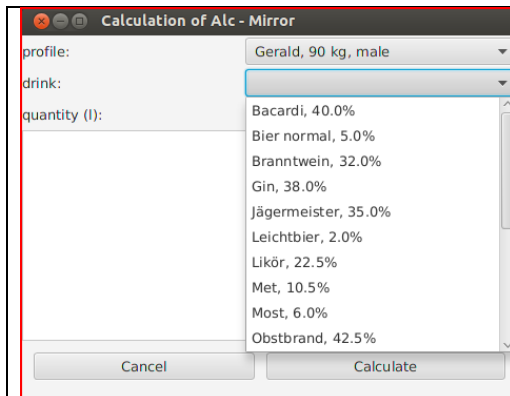


## Theme

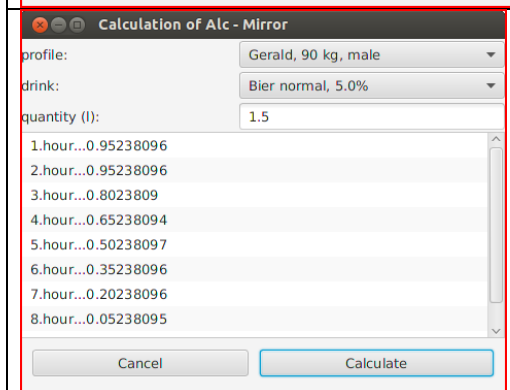
The Villacher Kirchtag - organization needs a goodie for the safety of their best guests.

## Features

	<ul style="list-style-type: none"><li>• Load and</li><li>• Save data</li></ul>
	<ul style="list-style-type: none"><li>• adding profiles</li><li>• closes window after each button click and ...</li></ul>
	<ul style="list-style-type: none"><li>• ... shows appropriate (error) message in main window</li></ul>
	<ul style="list-style-type: none"><li>• same feature when adding drinks</li></ul>



- calculation needs 2 combo boxes and ...



- ... quantity of drink
- result is estimated blood alcohol after drinking till value reaches 0.
- calculation according to “Widmark”-formula.

#### coefficient:

case male:  $\text{retCoeff} = 0.7f$ ; break;  
 case female:  $\text{retCoeff} = 0.57f$ ; break;  
 case youth:  $\text{retCoeff} = 0.57f$ ; break;

#### gram pure alcohol

$\text{quantity (ml)} * (\text{vol\%} / 100) * 0.8$

#### initial blood alcohol

$\text{gram\_alc} / (\text{body\_weight} * \text{coeff})$

#### per hour

decrease 0.15 blood alcohol starting with the 3<sup>rd</sup> hour