## ITRW211 Assignment 2 Due: Tuesday 28 Feb 2017 09H00

South African ID number

The South African ID number consists of 13 digits. The first six digits are the date of birth in YYMMDD format. The seventh digit is the gender: 0-4 for Female, 5-9 for Male. The 8th - 10th digits are the series, which is your index in the number of people with that DOB/Gender combo allocated. The 11th digit is the citizenship number, which is 0 for South Africans and 1 for foreigners. The 12th digit is generally either 8 or 9, but this is not guaranteed. The 13th digit is a control digit, with a nasty algorithm to validate it.

Write a windows application that enters a person’s ID number (in a textbox) and the current year (in combo box) and do the following:

* Validate that the ID number consists of 13 digits.
* Determine and display the date of birth in the format 14 Feb 1990 for an ID-number that starts with 900214.
* Determine and display the age.
* Determine and display the gender.
* Determine and display the Citizenship (South African or Foreigner).

Your output should look as follows for a valid ID number.