

CSC364/CSCM64 Lab 3

To be solved in groups of two or three.

Last day for lab sign-off: 21st March 2022

Task 1. A marketing company wishes to test their software which decides how to treat clients according to three characteristics: Gender, City Dweller, and Age Group: A (under 30), B (between 30 and 60), C (over 60).

The company has four products (W, X, Y, and Z) which they want to market. To this end their software emails product offers to those clients to whom a product appeals.

- Product W will appeal to female city dwellers.
- Product X will appeal to young females.
- Product Y will appeal to male middle aged shoppers who do not live in cities.
- Product Z will appeal to all but older females.

Develop a test suite for this software following the Decision Table Based Testing approach by taking the following steps:

1. Define conditions for an extended decision table and compute the number of rules expected in the decision table.
2. Define actions for an extended decision table.
3. Give a decision table including a rule count and a comparison to the expected number of rules. Reduce the number of columns as much as possible using “don’t care”-entries.
4. Provide a test suite.