

SWDQ Assignment

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Testing Document

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# Branch & Path Analysis

# Student Login Mode



There are 3 branches and 3 potential paths that can be assumed by this flowchart:

Path 1: A1-B8-H9-I10

Path 2: A1- B2-C3-D4-E5-F6-G7

Path 3: A1-B11

To test path 1:

It is assumed that the student has logged on and chose the ‘View Profile’ option in the menu.   
Their profile data is being displayed on the screen until they press the ‘ESC’ button which exits the program.

To test path 2:

It is assumed that the student has logged on and chose the ‘Attempt Quiz’ option in the menu.  
The first question along with 4 possible answers is displayed to the student. They have to choose one answer and press ‘enter’ to continue to the next question. Process is repeated until all 10 questions are answered. At the end of the quiz attempt the result is displayed to the student and saved to their profile. Upon pressing the ‘ESC’ button the program quits.

To test path 3:

It is assumed that the student has logged on and chose the ‘Exit’ option in the menu. The program quits straight away.

Performing those tests, it is possible to check all paths and therefore all branches.