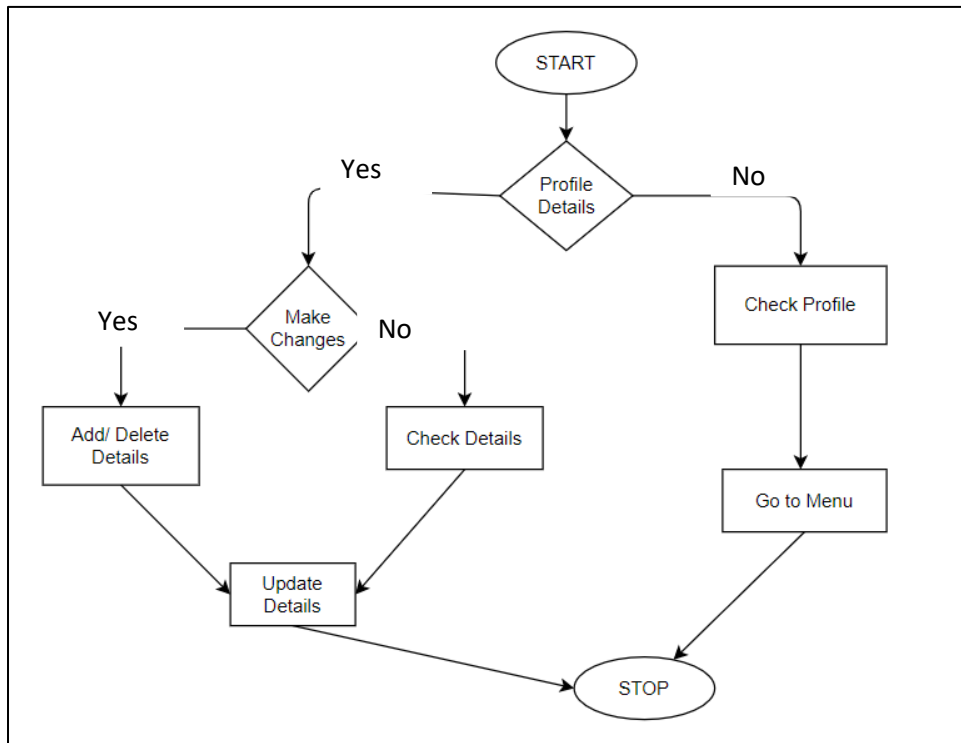
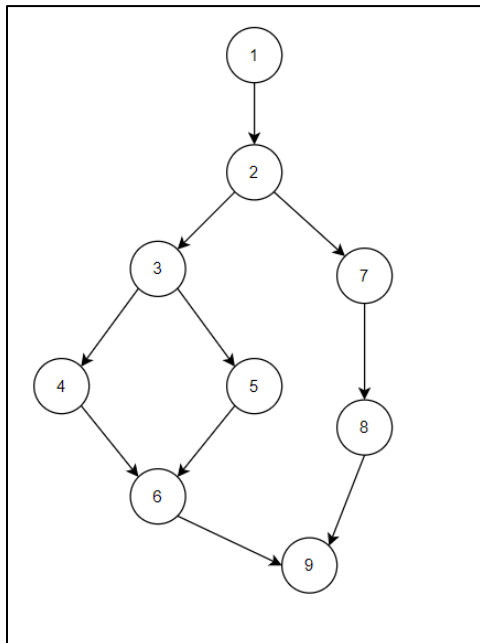


TESTING –WHITE BOX

1. ON PROFILE FUNCTION



Flowchart



Flowgraph

Cyclomatic Complexity Calculation:

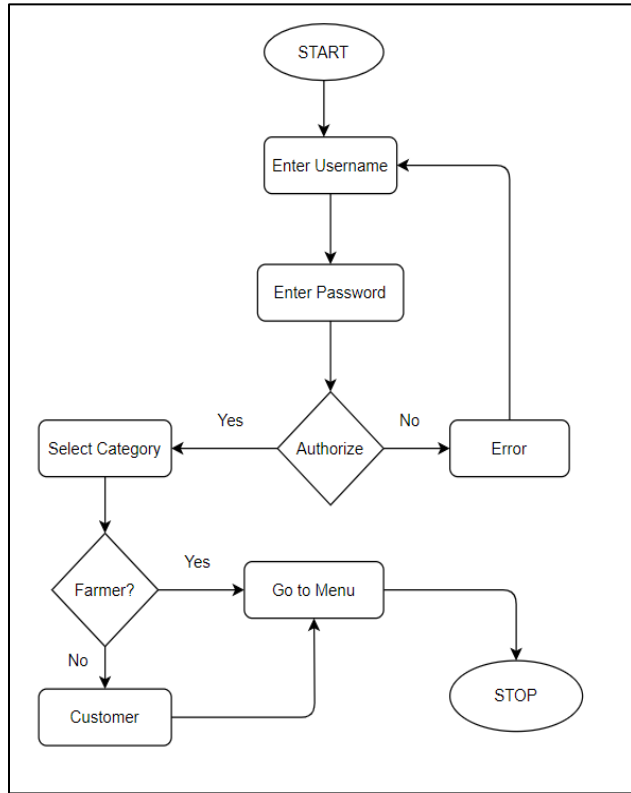
1. The number of regions of flow graph is 3.
2. $V(G) = E - N + 2 = 10 - 9 + 2 = 3$.
3. $V(G) = p + 1 = 2 + 1 = 3$.

Generating Test Cases:

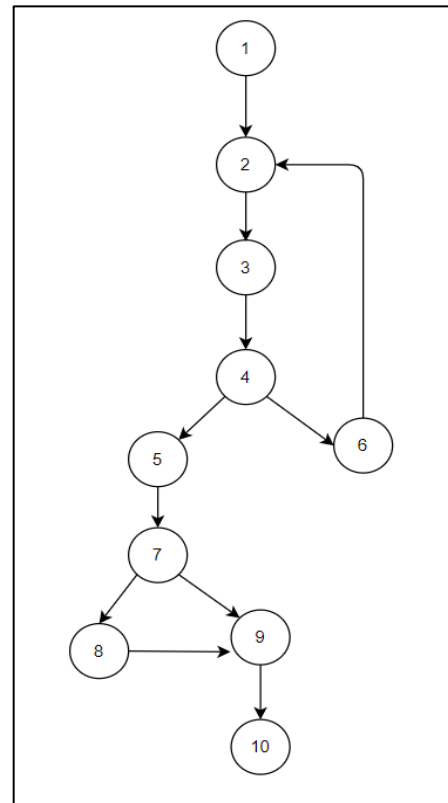
We have three independent paths.

1. Path: 1-2-3-4-6-9
2. Path: 1-2-3-5-6-9
3. Path: 1-2-7-8-9

2. ON LOGIN FUNCTION



Flowchart



Flowgraph

Cyclomatic Complexity Calculation:

1. The number of regions of flow graph is 3.
2. $V(G) = E - N + 2 = 11 - 10 + 2 = 3$.
3. $V(G) = p + 1 = 2 + 1 = 3$.

Generating Test Cases:

We have three independent paths.

1. Path: 1-2-3-4-6
2. Path: 1-2-3-4-5-7-9-10
3. Path: 1-2-3-4-5-7-8-9-10