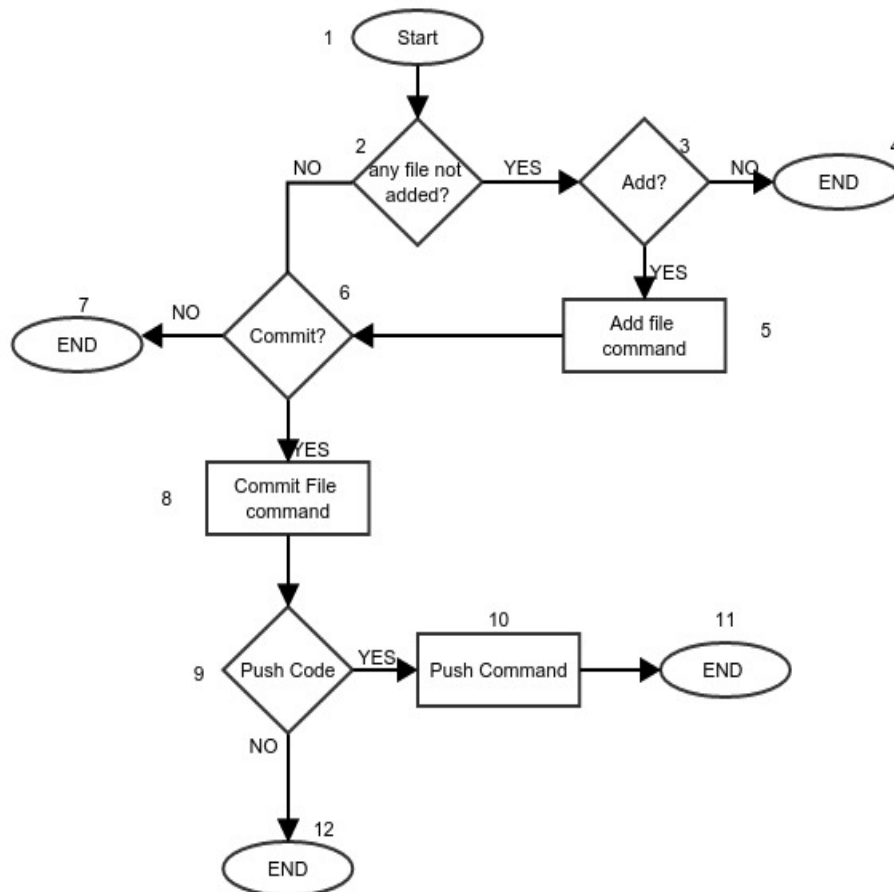


Q. Prepare test case for testing your favorite app by using the concept of structural path testing.



Cyclomatic Complexity Calculation:

Edge (E):	12
Node (N):	12
Exit Points (P):	4
Cyclomatic Complexity (V=E-N+P):	4

Test Cases:

S.N	Test cases	Statement Covered	Branch Covered
a	1 → 2 → 3 → 4	3	2
b	1 → 2 → 6 → 7	3	2
c	1 → 2 → 3 → 5 → 6 → 7	5	3
d	1 → 2 → 6 → 8 → 9 → 12	5	3
e	1 → 2 → 6 → 8 → 9 → 10 → 11	6	3

Statement Coverage Calculation:

Total Statement = 12

Test Case	Statement Coverage (in %)
a	33.33
b	33.33
c	50
d	50
e	58.33

Branch Coverage Calculation:

Total Branch = 4

Test Case	Branch Coverage (in %)
a	50
b	50
c	75
d	75
e	75

Conclusion:

Test cases 'c', 'd' & 'e' will be selected as both of them have highest statement and branch coverage.

Select any open-source testing application and develop a report signifying the main features of it. Use snapshots to illustrate your viewpoint