TEST REPORT

GROUP 6

MEMBERS

Name	**Roll Number**
Ali Imran	L15-4148
Hassan Alvi	L15-4203
Farhan Shaukat	L15-4292
Kamal Subbhani	L15-4048
Abdullah Asad	L15-4063

TABLE OF CONTENTS

LIST OF TABLE

LIST OF FIGURES

SUBMIT ORDER

FLOW CHART

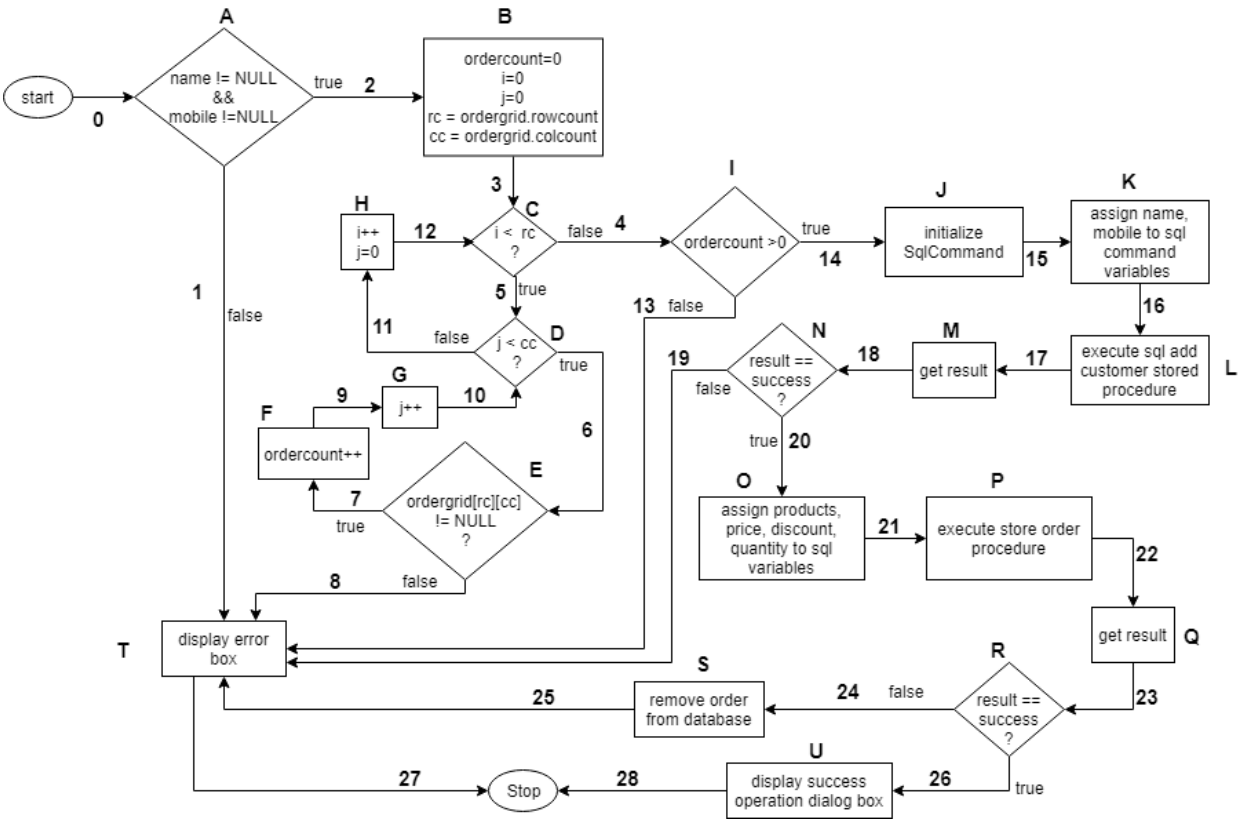

Figure 1: LC-1

CYCLOMATIC COMPLEXITY

N = 21 (Ignoring Start node, Stop node)
E = 26 (Ignoring 0th edge, 27th and 28th edge)
P = 1
Cyclomatic Complexity = 26 – 21 + 2(1) = 7

STATEMENT COVERAGE

A2 – B3 – C5 – D6 – E7 – F9 – G10 – D11 – H12 – C4 – I14 – J15 – K16 – L17 – M18 – N20 – O21 – P22 – Q23 – R26 – U28

Statement Coverage = 19 / 21 = 90.48%

BRANCH COVERAGE

1. A2 – B3 – C5 – D6 – E7 – F9 – G10 – D11 – H12 – C4 – I14 – J15 – K16 – L17 – M18 – N20 – O21 – P22 – Q23 – R26 – U28
2. A1 – T27
3. A2 – B3 – C5 – D6 – E8 – T27
4. A2 – B3 – C4 – I13 – T27
5. A2 – B3 – C4 – I14 – J15 – K16 – L17 – M18 – N19 – T27
6. A2 – B3 – C4 – I14 – J15 – K16 – L17 – M18 – N20 – O21 – P22 – Q23 – R24 – S25 – T27

Branch Coverage = 26 / 26 = 100%

PATH COVERAGE

1. A1 – T27
2. A2 – B3 – C5 – D6 – E7 – F9 – G10 – D11 – H12 – C4 – I14 – J15 – K16 – L17 – M18 – N20 – O21 – P22 – Q23 – R26 – U28
3. A2 – B3 – C5 – D6 – E8 – T27
4. A2 – B3 – C4 – I13 – T27
5. A2 – B3 – C4 – I14 – J15 – K16 – L17 – M18 – N19 – T27
6. A2 – B3 – C4 – I14 – J15 – K16 – L17 – M18 – N20 – O21 – P22 – Q23 – R24 – S25 – T27
7. A2 – B3 – C5 – D6 – E7 – F9 – G10 – D11 – H12 – C4 – I14 – J15 – K16 – L17 – M18 – N19 – T27
8. A2 – B3 – C5 – D6 – E7 – F9 – G10 – D11 – H12 – C4 – I14 – J15 – K16 – L17 – M18 – N20 – O21 – P22 – Q23 – R24 – S25 – T27

TEST CASES

Identifier	TC-1
Priority	High
Short description	This test case checks the program for when i<0 and j<0
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = NULL Mobile = NULL i=-1 j=-1
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.1: TC-1

<table>
<tr><td>Identifier</td><td>TC-2</td></tr>
<tr><td>Priority</td><td>High</td></tr>
<tr><td>Short description</td><td>This test case checks the program for when 0<i<rc and 0<j<cc</td></tr>
<tr><td>Pre-condition(s)</td><td>Name, Ordergrid and Mobile number field must be filled</td></tr>
<tr><td>Input data</td><td>Name = Ali
Mobile = 033333333333
i=3
j=2
<table><tr><th>Product</th><th>Quantity</th></tr><tr><td>Jam</td><td>2</td></tr><tr><td>Bread</td><td>1</td></tr><tr><td>Eggs</td><td>3</td></tr></table></td></tr>
<tr><td>Expected result(s)</td><td>Success Message + data shown</td></tr>
<tr><td>Actual result(s)</td><td>Success Message + data shown</td></tr>
<tr><td>Post-condition(s)</td><td>User has to press Ok on dialog box</td></tr>
</table>

Table 1.2: TC-2

Identifier	TC-3
Priority	High
Short description	This test case checks the program for when 0<i<rc and j<0
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = Ali Mobile = 033333333333 i=3 j=-1
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.3: TC-3

Identifier	TC-4
Priority	High

Short description	This test case checks the program for when i<0 and 0<j<cc
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = NULL Mobile = NULL i=-1 j=2
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.4: TC-4

Identifier	TC-5
Priority	High
Short description	This test case checks the program for when i=rc and j=cc
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = Ali Mobile = 033333333333 i=4 j=3
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.5: TC-5

Identifier	TC-6
Priority	High
Short description	This test case checks the program for when i=rc and 0<j<cc
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = Ali Mobile = 033333333333 i=4 j=2
Expected result(s)	Error Message

Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.6: TC-6

Identifier	TC-7
Priority	High
Short description	This test case checks the program for when 0<i<rc and j=cc
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = Ali Mobile = 033333333333 i=4 j=2
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.7: TC-7

Identifier	TC-8
Priority	High
Short description	This test case checks the program for when i>rc and j>cc
Pre-condition(s)	Name and Mobile number field must be filled
Input data	Name = Ali Mobile = 033333333333 i=8 j=7
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 1.8: TC-8

SHOW CUSTOMER DETAILS

FLOW CHART

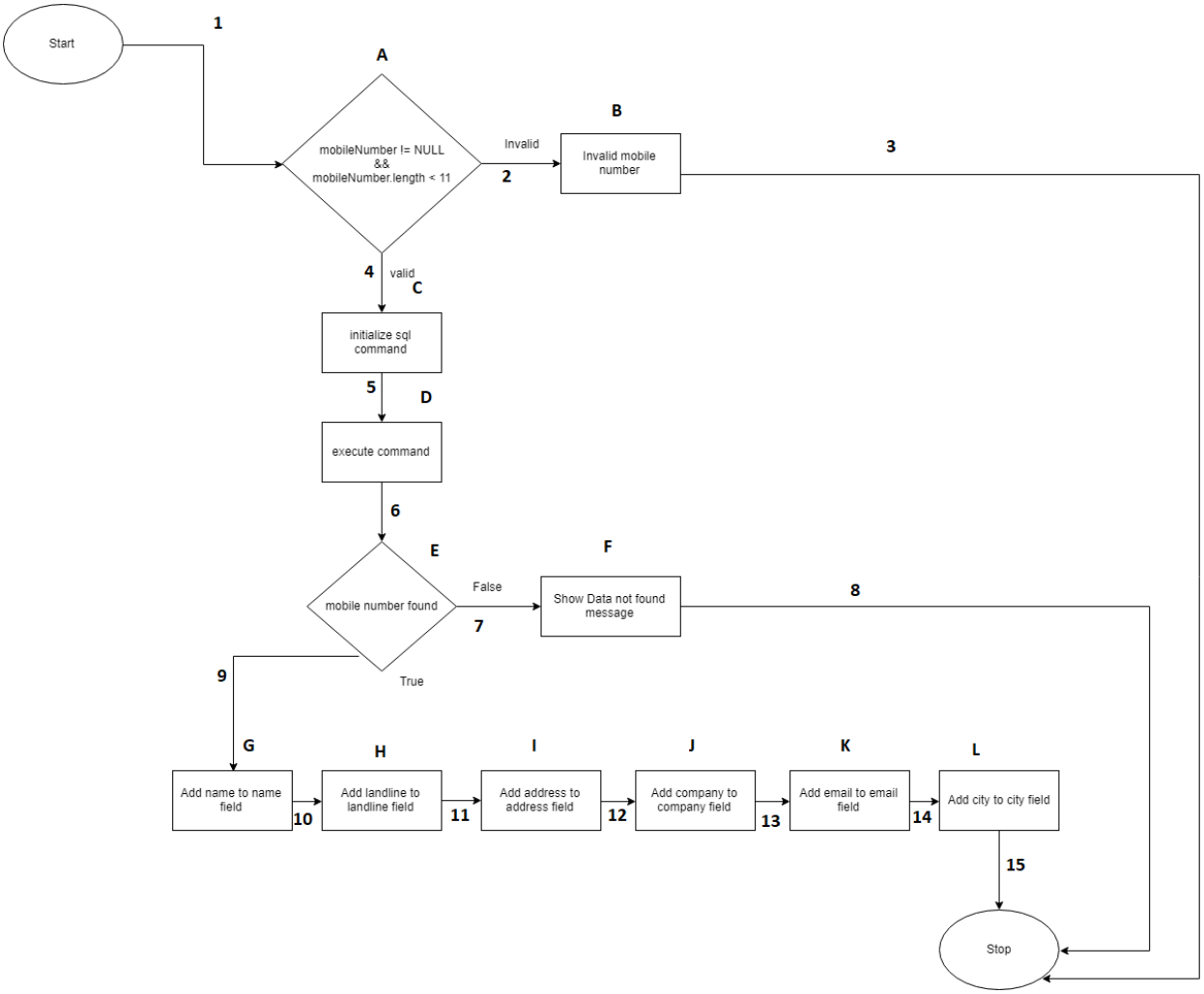

Figure 2: LC-2

CYCLOMATIC COMPLEXITY

N = 12 (Ignoring Start node, Stop node)
E = 11 (Ignoring 1st, 8th, 3rd and 15th edge)
P = 1
Cyclomatic Complexity = 11 – 12 + 2(1) = 1

STATEMENT COVERAGE

A4 – C5 – D6 – E9 – G10 – H11 – I12 – J13 – K14 – L15

Statement Coverage= 10/12 * 100 = 83.34%

BRANCH COVERAGE

1. A2 – B3
2. A4 – C5 – D6 – E9 – G10 – H11 – I12 – J13 – K14 – L15
3. A4 – C5 – D6 – E7 – F8

Branch Coverage = 12/12 * 100 =100.

PATH COVERAGE

1. A2 – B3
2. A4 – C5 – D6 – E9 – G10 – H11 – I12 – J13 – K14 – L15
3. A4 – C5 – D6 – E7 – F8

TEST CASES

Identifier	TC-9
Priority	High
Short description	This test case checks the program for invalid length numbers
Pre-condition(s)	Mobile Number should be entered
Input data	Mobile Number = 0222
Expected result(s)	Invalid mobile number
Actual result(s)	Invalid mobile number
Post-condition(s)	User has to press Ok on dialog box

Table 2.1: TC-9

Identifier	TC-10
Priority	High
Short description	This test case checks the whether alphabets entry have been blocked.
Pre-condition(s)	Mobile Number should be entered
Input data	Mobile Number = asdad
Expected result(s)	Alphabets entry have blocked
Actual result(s)	Alphabets entry have blocked
Post-condition(s)	Screen will move to its original state

Table 2.2: TC-10

Identifier	TC-11
Priority	High
Short description	This test case tests the entry of a non-existing number
Pre-condition(s)	Mobile Number should be entered
Input data	Mobile Number = 01234567899
Expected result(s)	Number doesn't exist in our database
Actual result(s)	Number doesn't exist in our database
Post-condition(s)	User has to press Ok on dialog box

Table 2.3: TC-11

Identifier	TC-12
Priority	High
Short description	This test case tests the entry of an existing number.
Pre-condition(s)	Mobile Number should be entered
Input data	Mobile Number = 033333333333
Expected result(s)	Name: Ali Address: hfjfhjfj City: Lahore
Actual result(s)	Name: Ali Address: hfjfhjfj City: Lahore
Post-condition(s)	Screen will show these results in read only mode

Table 2.4: TC-12

SHOW DAILY REPORT

FLOW CHART

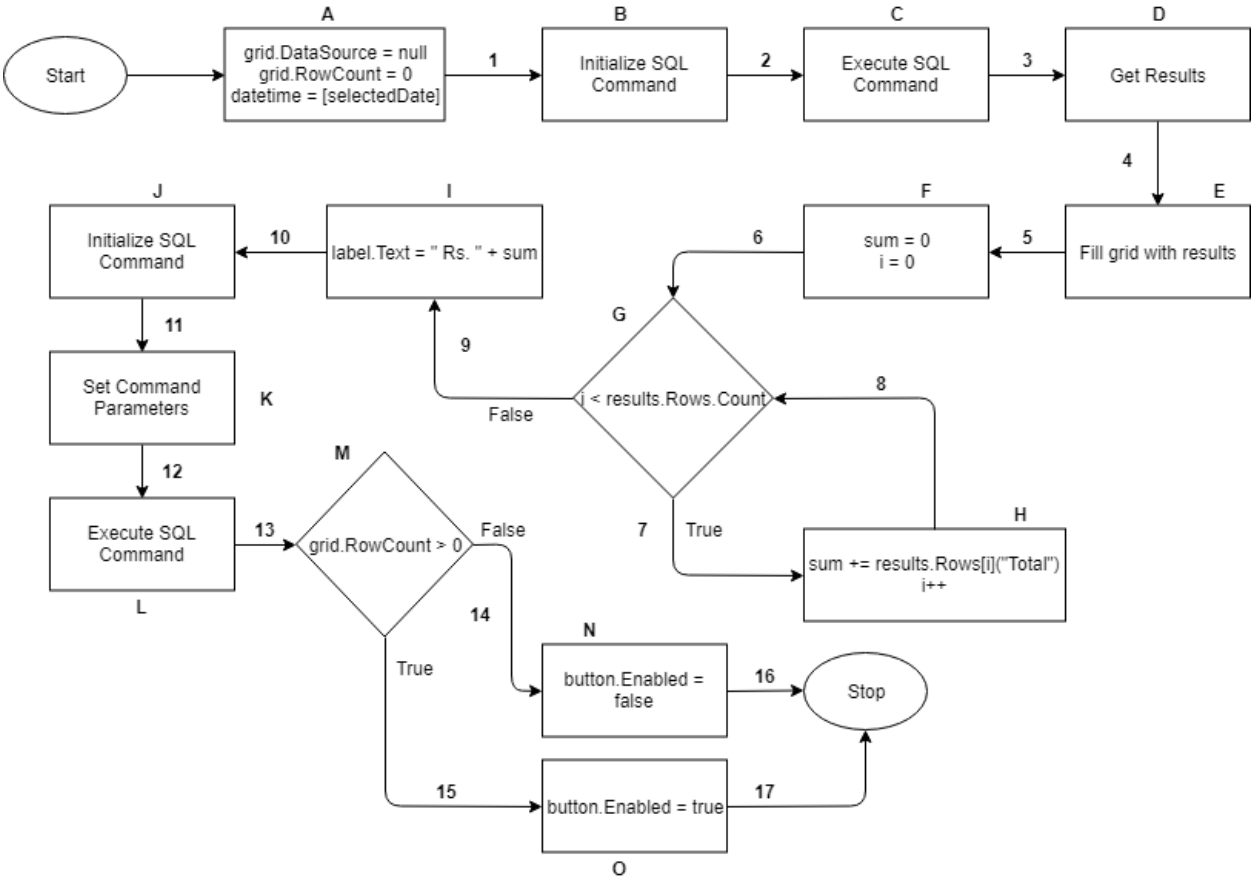

Figure 3: LC -3

CYCLOMATIC COMPLEXITY

N = 15 (Ignoring Start node, Stop node)
E = 15 (Ignoring start, 17th and 18th edges)
Cyclomatic Complexity = 15 – 15 + 2(1) = 2

STATEMENT COVERAGE

A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M14 – N16

Statement Coverage = 14 / 15 = 93.33%

BRANCH COVERAGE

1. A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M14 – N16
2. A1 – B2 – C3 – D4 – E5 – F6 – G9 – I10 – J11 – K12 – L13 – M15 – O17

Branch Coverage = 15 / 15 = 100%

PATH COVERAGE

1. A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M14 – N16
2. A1 – B2 – C3 – D4 – E5 – F6 – G9 – I10 – J11 – K12 – L13 – M15 – O17

TEST CASES

<table>
<tr><td>Identifier</td><td>TC-13</td></tr>
<tr><td>Priority</td><td>High</td></tr>
<tr><td>Short description</td><td>This test case checks the program for when 0<i<results.Rows.Count</td></tr>
<tr><td>Pre-condition(s)</td><td>Mobile Number should be entered</td></tr>
<tr><td>Input data</td><td>Date = 05/12/2018
i= 2</td></tr>
<tr><td>Expected result(s)</td><td><table><tr><td>Bill No</td><td>Mobile</td><td>Name</td><td>City</td><td>Total</td></tr><tr><td>6</td><td>03333333333</td><td>Ali</td><td>Lahore</td><td>5000</td></tr><tr><td>7</td><td>02222222222</td><td>Farhan</td><td>Lahore</td><td>7000</td></tr></table>
Enabled button</td></tr>
<tr><td>Actual result(s)</td><td><table><tr><td>Bill No</td><td>Mobile</td><td>Name</td><td>City</td><td>Total</td></tr><tr><td>6</td><td>03333333333</td><td>Ali</td><td>Lahore</td><td>5000</td></tr><tr><td>7</td><td>02222222222</td><td>Farhan</td><td>Lahore</td><td>7000</td></tr></table>
Enabled button</td></tr>
<tr><td>Post-condition(s)</td><td>Screen will show these results in read only mode</td></tr>
</table>

Table 3.1: TC-13

Identifier	TC-14
Priority	High
Short description	This test case checks the program for when i<0

Pre-condition(s)	Mobile Number should be entered
Input data	Date = 15/12/2018 i=-1
Expected result(s)	Bill No | Mobile | Name | City | Total Disabled button
Actual result(s)	Bill No | Mobile | Name | City | Total Disabled button
Post-condition(s)	Screen will show these results in read only mode

Table 3.2: TC-14

Identifier	TC-15
Priority	High
Short description	This test case checks the program for when i>results.Rows.Count
Pre-condition(s)	Mobile Number should be entered
Input data	Date = 15/12/2018 i=10
Expected result(s)	Bill No | Mobile | Name | City | Total Disabled button
Actual result(s)	Bill No | Mobile | Name | City | Total Disabled button
Post-condition(s)	Screen will show these results in read only mode

Table 3.3: TC-15

SHOW CUSTOMER ORDERS

FLOW CHART

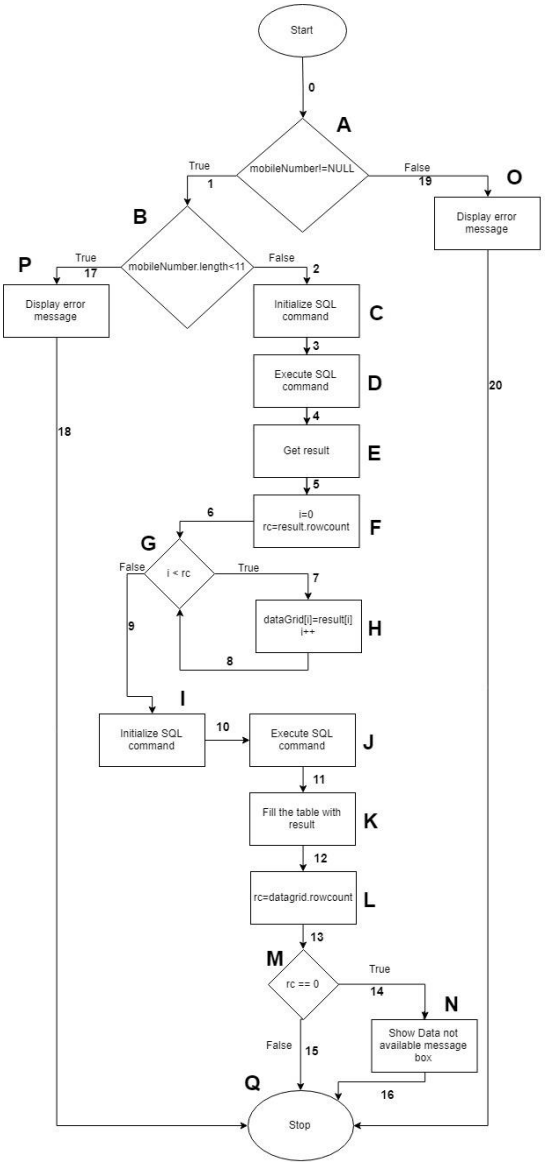

Figure 4: LC-4

CYCLOMATIC COMPLEXITY

N = 16 (Ignoring Start node, Stop node)
E = 18 (Ignoring 0th edge, 15th, 16th, 18th, 20th edge)
P = 1
Cyclomatic Complexity = 18 – 16 + 2(1) = 4

STATEMENT COVERAGE

A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M14 – N16

Statement Coverage = 14 / 16 = 87.5 %

BRANCH COVERAGE

1. A19 – O20
2. A1 – B17 – P18
3. A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M15
4. A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M14 – N16

Branch Coverage = 15 / 15 = 100%

PATH COVERAGE

1. A19 – O20
2. A1 – B17 – P18
3. A1 – B2 – C3 – D4 – E5 – F6 – G9 – I10 – J11 – K12 – L13 – M15
4. A1 – B2 – C3 – D4 – E5 – F6 – G9 – I10 – J11 – K12 – L13 – M14 – N16
5. A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M15
6. A1 – B2 – C3 – D4 – E5 – F6 – G7 – H8 – G9 – I10 – J11 – K12 – L13 – M14 – N16

TEST CASES

Identifier	TC-16
Priority	High
Short description	This test case checks the program when 0<i<rc
Pre-condition(s)	Mobile number field must be filled
Input data	Mobile = 03123456789 i=2
Expected result(s)	Success Message + data shown
Actual result(s)	Success Message + data shown
Post-condition(s)	User has to press Ok on dialog box

Table 4.1: TC-16

Identifier	TC-17
Priority	High
Short description	This test case checks the program when i>rc
Pre-condition(s)	Mobile number field must be blank
Input data	Mobile = 0312345678 rc=13
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 4.2: TC-17

Identifier	TC-18
Priority	High
Short description	This test case checks the program when i=rc
Pre-condition(s)	Mobile number field must be filled
Input data	Mobile = 03343434334 i=4
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 4.3: TC-18

Identifier	TC-19
Priority	High
Short description	This test case checks the program when i=0
Pre-condition(s)	Mobile number field must be filled
Input data	Mobile = 03545444544 i=0
Expected result(s)	No Data
Actual result(s)	No Data
Post-condition(s)	Screen goes back to its original state

Table 4.4: TC-19

Identifier	TC-20
Priority	High
Short description	This test case checks the program when i=1
Pre-condition(s)	Mobile number field must be filled
Input data	Mobile = 03934834344 i=1
Expected result(s)	Success Message + data shown
Actual result(s)	Success Message + data shown
Post-condition(s)	User has to press Ok on dialog box

Table 4.5: TC-20

Identifier	TC-21
Priority	High
Short description	This test case checks the program when i<0
Pre-condition(s)	Mobile number field must be filled
Input data	Mobile Number = 03333333333 i=-1
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 4.6: TC-21

REMOVE ORDER

FLOW CHART

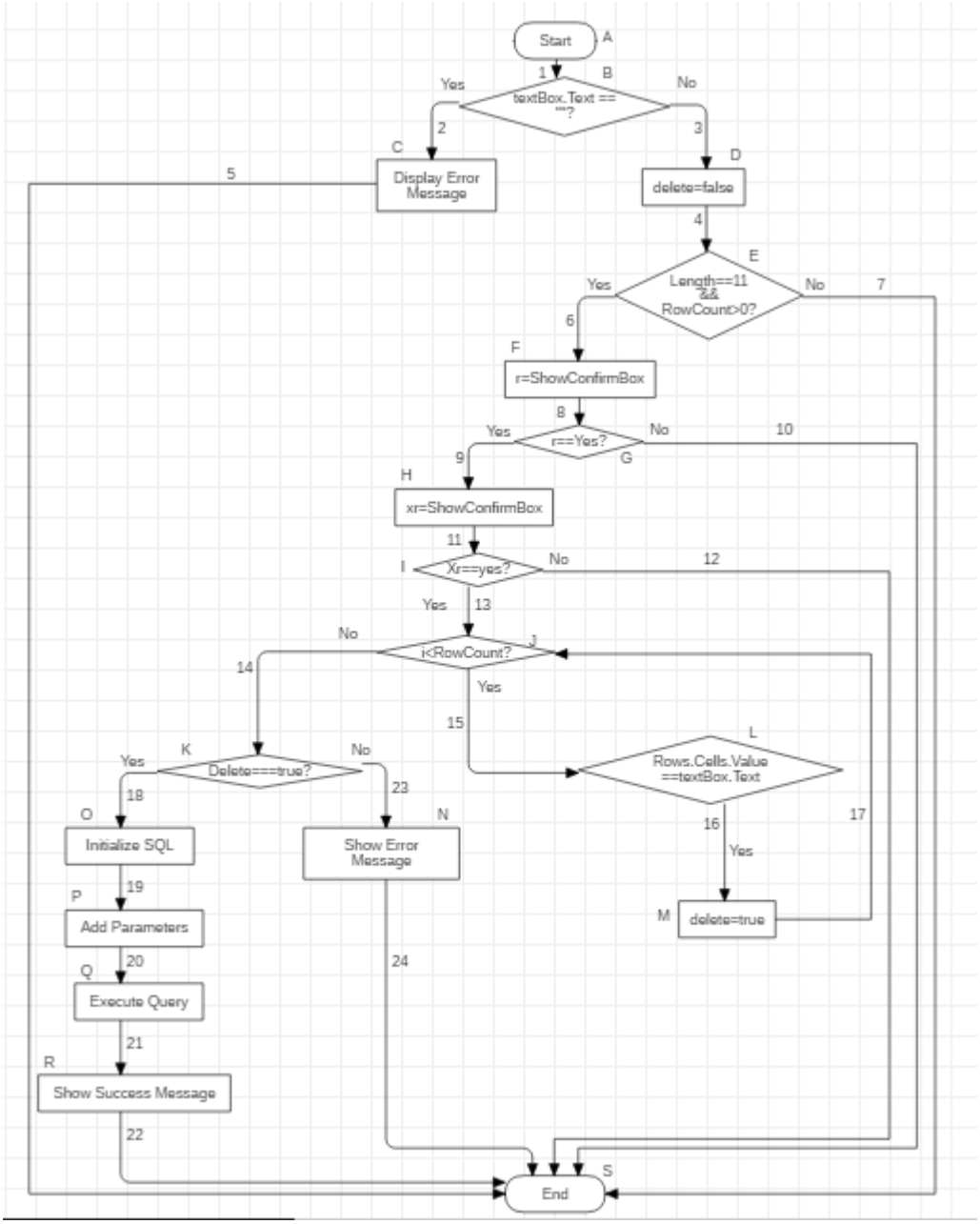

Figure 5: LC-5

CYCLOMATIC COMPLEXITY

N = 17 (Ignoring Start node, Stop node)
E = 17 (Ignoring 1st, 5th, 7th, 10th, 12th, 22nd, 24th edge)

P = 1
Cyclomatic Complexity = 17 – 17 + 2(1) = 2

STATEMENT COVERAGE

B3 – D4 – E6 – F8 – G9 – H11 – I13 – J15 – L16 – M17 – J14 – K18 – O19 – P20 – Q21 – R22

Statement Coverage = 15 / 17 = 88.23 %

BRANCH COVERAGE

1. B2 – C5
2. B3 – D4 – E6 – F8 – G9 – H11 – I13 – J14 – K23 – N24
3. B3 – D4 – E6 – F8 – G9 – H11 – I13 – J15 – L16 – M17 – J14 – K18 – O19 – P20 – Q21 – R22
4.

Branch Coverage = 17 / 17 = 100%

PATH COVERAGE

1. B2 – C5
2. B3 – D4 – E6 – F8 – G9 – H11 – I13 – J14 – K23 – N24
3. B3 – D4 – E6 – F8 – G9 – H11 – I13 – J14 – K18 – O19 – P20 – Q21 – R22
4. B3 – D4 – E6 – F8 – G9 – H11 – I13 – J15 – L16 – M17 – J14 – K23 – N24
5. B3 – D4 – E6 – F8 – G9 – H11 – I13 – J15 – L16 – M17 – J14 – K18 – O19 – P20 – Q21 – R22

TEST CASES

Identifier	TC-22
Priority	High
Short description	This test case checks the program when i<RowCount
Pre-condition(s)	The textbox is empty
Input data	Bill No=1 i=-1
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 5.1: TC-22

Identifier	TC-23
Priority	High
Short description	This test case checks the program when i>RowCount
Pre-condition(s)	The textbox is filled.
Input data	Order Number=1 i=11
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 5.2: TC-23

Identifier	TC-24
Priority	High
Short description	This test case checks the program for when i=RowCount
Pre-condition(s)	Bill No is filled (Bill and Order Number are same)
Input data	Order Number = 2 i=5
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 5.3: TC-24

Identifier	TC-25
Priority	High
Short description	This test case checks the program for when i=0
Pre-condition(s)	Bill No is filled
Input data	Order Number = 2 i=0
Expected result(s)	Error Message
Actual result(s)	Error Message
Post-condition(s)	User has to press Ok on dialog box

Table 5.4: TC-25

Identifier	TC-26
Priority	High
Short description	This test case checks if i=1
Pre-condition(s)	Bill No is not Null, Length is equal to 11, r=Yes and xr=Yes
Input data	i=0 and Grid.rowCount=1
Expected result(s)	Go in the loop once
Actual result(s)	Loop runs once
Post-condition(s)	Results are shown

Table 5.5: TC-26

Identifier	TC-27
Priority	High
Short description	This test case checks the program for when 0<i<RowCount
Pre-condition(s)	Bill No is not Null, Length is equal to 11, r=Yes and xr=Yes
Input data	Order Number = 2 i=3
Expected result(s)	Success Message + Order deleted
Actual result(s)	Success Message + Order deleted
Post-condition(s)	User has to press OK on dialog box

Table 5.6: TC-27