# Black Box Testing

## User story 3

**As a user, I want to view my weekly profit or loss in one line so that at a glance I can see how my shares performed this week.**

Remove redundancies and giving a reference.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **External Conditions** | **Valid Equivalence Class** | **Invalid Equivalence Class** | **Boundary** | |
| **Lower** | **Upper** |
| **Historical Data for the previous week** | 0-150,000  (A) | <0 (B)  >150,000 (D) | -1,0,1 (C) | 149,000 , (E) 150,000 , 150,001 |
| **Current Data** | 0-100,000  (F) | <0 (G)  >100,000 (I) | -1,0,1 (H) | 99,999 , (J)  100,000 , 100,001 |
| **Companies** | 5  (K) | <5 (L)  >5 (M) | 4,5,6 | 4,5,6 |

Identifying the test cases and expected output.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case** | **Input Condition Covered** | **Historical Data** | **Current Data** | **Companies** | **Expected Output** |
| 1 | B | -1 |  |  | Invalid |
| 2 | D | 150,005 |  |  | Invalid |
| 3 | G |  | -2 |  | Invalid |
| 4 | I |  | 100,003 |  | Invalid |
| 5 | L |  |  | 3 | Invalid |
| 6 | M |  |  | 7 | Invalid |
| 7 | A, F, K | 0 | 150,000 | 5 | Valid |
| 8 | C, H | 1 | 1 |  | Valid |
| 9 | E, J | 149, 000 | 99,999 |  | Valid |

## User story 4

**As a user I want the app to give me a current update of what each company's shares are currently worth.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **External Conditions** | **Valid Equivalence Class** | **Invalid Equivalence Class** | **Boundary** | |
| **Lower** | **Upper** |
| **Current Data** | 0-100,000  (A) | <0 (B)  >100,000 (D) | -1,0,1 (C) | 99,999 , (E)  100,000 , 100,001 |
| **Companies** | 5 (F) | <5 (G)  >5 (H) | 4,5,6 | 4,5,6 |

Remove redundancies and giving a reference.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case** | **Input Condition Covered** | **Current Data** | **Companies** | **Expected Output** |
| 1 | B | -3 |  | Invalid |
| 2 | D | 100,006 |  | Invalid |
| 3 | G |  | 4 | Invalid |
| 4 | H |  | 8 | Invalid |
| 5 | A, F | 0 | 5 | Valid |
| 6 | C | 1 |  | Valid |
| 7 | E | 99,999 |  | Valid |

Identifying the test cases and expected output.