# **Test Case 1**

### **Description –**

Scrolling right through the Records goes outside of bounds?

### **Input –**

Pressing the right arrow key multiple times until it reaches or goes past the final record.

### **Expectation –**

Index → 0, 1, 2, 3, 4.  
The index should end and stay at Record Count – 1 when scrolling forwards.

### **Result –**

Record Count → 5.

Index → 0, 1, 2, 3, 4.  
The index stays at the final record instead of going out of bounds.

### **Modifications? –**

No. The test was successful.

# **Test Case 2**

### **Description –**

Scrolling left through the Records goes outside of bounds?

### **Input –**

Pressing the left arrow key multiple times until goes past the starting record or doesn’t.

### **Expectation –**

Index → 0.   
The index should stay at 0 when scrolling backwards.

### **Result –**

Index → 0.  
The index stays at the start instead of going out of bounds.

### **Modifications? –**

No. The test was successful.

# **Test Case 3**

### **Description –**

Scrolling forwards and backwards through the records skips a record?

### **Input –**

Pressing the left and right arrow keys to scroll to and from the final record.

### **Expectation –**

Index → 0, 1, 2, 3, 4, 3, 2, 1, 0.

### **Result –**

Record Count → 5.

Index → 0, 1, 2, 3, 4, 3, 2, 1, 0.

### **Modifications? –**

No. The test was successful.

# **Test Case 4**

### **Description –**

Reading the record data using a random-access algorithm is successful?

### **Input –**

Pressing the left and right arrow keys to check on each record and checking if the presented data is correct.

### **Expectation –**

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Name** | **Age** | **Image** |
| **0** | Tom | 27 | A man with black hair and a scar. |
| **1** | Grutt | 34 | A green beast with yellow eyes. |
| **2** | Metal Mouth | 8 | A robot with red eyes. |
| **3** | Commander Keen | 42 | A man with black hair and a moustache. |
| **4** | Judy | 24 | A woman with blonde hair. |

### **Result –**

|  |  |
| --- | --- |
| **Index** | **Screenshot** |
| **0** |  |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |

All records appear to present the correct data.

### **Modifications? –**

No. The test was successful.