

TEST CASE SCREENSHOTS

Application : Linear Footage Optimizer

Reference Document : “LinearFootageOptimizer_TestCaseDocument” spreadsheet

Test Case ID : Test Case 1

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EclipseWorkspace - LinearFootageOptimizer/src/com/logistics/linearfootage/application/LinearFootageOptimizerApplication.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Console Problems Debug Shell Git Staging
<terminated> LinearFootageOptimizerApplication [Java Application] C:\Users\akhi\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Nov 3, 2023, 1:56:58 AM - 2:02:11 AM) [pid: 4764]
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
1
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
48
Width:
48
Height:
32
Is the Skid Stackable (Y/N):
N
The LINEAR FOOTAGE of the Shipment is : 2 feet
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```

Test Case ID : Test Case 2

```
EclipseWorkspace - LinearFootageOptimizer/src/com/logistics/linearfootage/application/LinearFootageOptimizerApplication.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Console Problems Debug Shell Git Staging
<terminated> LinearFootageOptimizerApplication [Java Application] C:\Users\akhi\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Nov 3, 2023, 2:03:29 AM - 2:04:19 AM) [pid: 22088]
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
2
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
48
Width:
48
Height:
32
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 2 (length, width, height in inches):
Length:
48
Width:
48
Height:
32
Is the Skid Stackable (Y/N):
Y
The LINEAR FOOTAGE of the Shipment is : 4 feet
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```

Test Case ID : Test Case 3

```
EclipseWorkspace - LinearFootageOptimizer/src/com/logistics/linearfootage/application/LinearFootageOptimizerApplication.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Console x Problems Debug Shell Git Staging
<terminated> LinearFootageOptimizerApplication [Java Application] C:\Users\akhil.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Nov 3, 2023, 2:11:04 AM - 2:11:33 AM) [pid: 26432]
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
2
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
48
Width:
48
Height:
32
Is the Skid Stackable (Y/N):
Y
Enter dimensions of Skid 2 (length, width, height in inches):
Length:
48
Width:
48
Height:
32
Is the Skid Stackable (Y/N):
Y
The LINEAR FOOTAGE of the Shipment is : 2 feet
*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```

Test Case ID : Test Case 4

```
EclipseWorkspace - LinearFootageOptimizer/src/com/logistics/linearfootage/application/LinearFootageOptimizerApplication.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Console x Problems Debug Shell Git Staging
<terminated> LinearFootageOptimizerApplication [Java Application] C:\Users\akhil.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Nov 3, 2023, 2:13:27 AM - 2:14:07 AM) [pid: 12652]
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
1
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
48
Width:
62
Height:
32
Is the Skid Stackable (Y/N):
N
The LINEAR FOOTAGE of the Shipment is : 4 feet
*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```

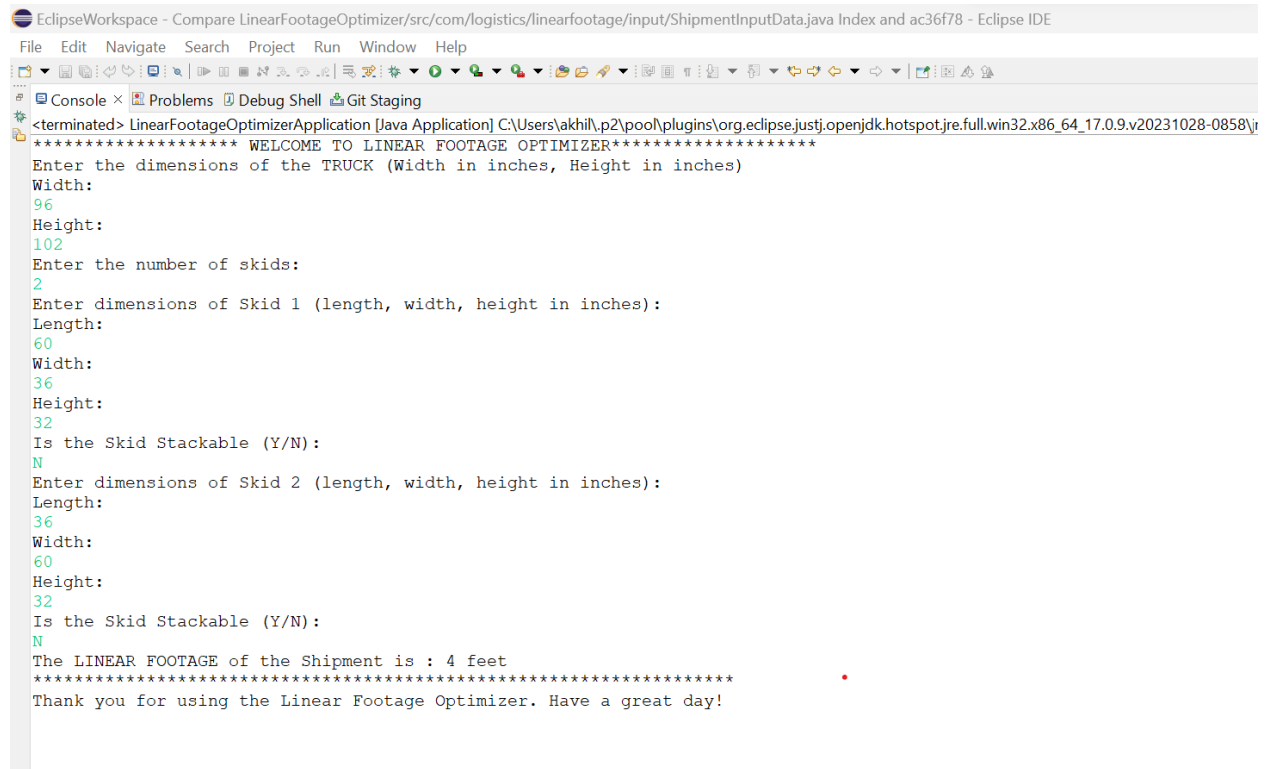
Test Case ID : Test Case 5

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EclipseWorkspace - Compare LinearFootageOptimizer/src/com/logistics/linearfootage/input/ShipmentInputData.java Index and ac36f78 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Console × Problems Debug Shell Git Staging
<terminated> LinearFootageOptimizerApplication [Java Application] C:\Users\akhi\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (Nov 3, 2023, 2:28:01 AM - 2:28:55 AM) [pid: 8944]
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
3
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
48
Width:
48
Height:
24
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 2 (length, width, height in inches):
Length:
60
Width:
96
Height:
24
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 3 (length, width, height in inches):
Length:
48
Width:
48
Height:
32
Is the Skid Stackable (Y/N):
N
The LINEAR FOOTAGE of the Shipment is : 9 feet
*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```

Test Case ID : Test Case 6

```
EclipseWorkspace - Compare LinearFootageOptimizer/src/com/logistics/linearfootage/input/ShipmentInputData.java Index and ac36f78 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
LinearFootageOptimizerApplication [Java Application] C:\Users\akhi\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.9.v20231028-0858\jre\bin\javaw.exe (Nov 3, 2023, 2:30:05 AM) [pid: 24412]
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
8
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 2 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 3 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 4 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 5 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 6 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 7 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 8 (length, width, height in inches):
Length:
42
Width:
42
Height:
42
Is the Skid Stackable (Y/N):
N
The LINEAR FOOTAGE of the Shipment is : 14 feet
*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```

Test Case ID : Test Case 7



The screenshot shows the Eclipse IDE interface with the console window active. The console displays the output of a Java application named 'LinearFootageOptimizerApplication'. The application prompts the user for dimensions of a truck and two skids, and then calculates the linear footage. The user inputs are shown in green text, and the application's output is in black text. The console window title is 'Console x', and the application's path is visible in the title bar.

```
EclipseWorkspace - Compare LinearFootageOptimizer/src/com/logistics/linearfootage/input/ShipmentInputData.java Index and ac36f78 - Eclipse IDE
File Edit Navigate Search Project Run Window Help
<terminated> LinearFootageOptimizerApplication [Java Application] C:\Users\akhi\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\j
***** WELCOME TO LINEAR FOOTAGE OPTIMIZER*****
Enter the dimensions of the TRUCK (Width in inches, Height in inches)
Width:
96
Height:
102
Enter the number of skids:
2
Enter dimensions of Skid 1 (length, width, height in inches):
Length:
60
Width:
36
Height:
32
Is the Skid Stackable (Y/N):
N
Enter dimensions of Skid 2 (length, width, height in inches):
Length:
36
Width:
60
Height:
32
Is the Skid Stackable (Y/N):
N
The LINEAR FOOTAGE of the Shipment is : 4 feet
*****
Thank you for using the Linear Footage Optimizer. Have a great day!
```