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| **Project Name**: Calculator | |
| **Test Case** | |
| **Test Case ID**: 155 | **Test Designed by**: Alan |
| **Test Priority (Low/Medium/High)**: Med | **Test Designed date**: 2023.10.22 |
| **Module Name**: Length Converter um to nm module; | **Test Executed by**: Alan |
| **Test Title**: Conversion of um to nm; | **Test Execution date**: 2023.10.22 |
| **Description**: User inputs a length in um (micrometers) and converts it to nm (nanometers) using the Length Converter. |  |
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| **Pre-conditions**: Length Converter is set to convert from um to nm. | |
| **Dependencies**: | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | User selects um as the source unit; | um | um is selected as the source unit. | um is selected as the source unit. | Pass |  |
| 2 | User selects nm as the target unit; | nm | nm is selected as the target unit. | nm is selected as the target unit. | Pass |  |
| 3 | User enters the length in um; | Enter a valid length in um (e.g., 1) | The entered length is displayed. | The entered length (e.g., 1 um) is displayed on the converter. | Pass |  |
| 4 | User initiates the conversion; | Convert | Conversion is performed, and the result in nm is displayed. | Conversion is performed, and the result (e.g., 1000 nm) is displayed. | Pass |  |
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| **Post-conditions:** |
| User has successfully converted um to nm using the Length Converter within 6 steps, and the test case is passed. |