**Test Function Document**

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| Project Name: Online Shopping Cart | |
| Automation Title: test\_display\_filtered\_table.py | Version: 1.0 |
| Testing Phase: Phase 1 | Date of Test: 24 Nov 2024 |
| Module Name: Online Shopping Cart | |

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| Function Title: display\_filtered\_table | | | | | Test Designed by: Linjing Shen | | |
| Test Priority (Low/Medium/High): High | | | | | Test Designed Date: 23 Nov 2024 | | |
| Description: The function takes a file path and a search target as input and displays the filtered content of the CSV file as a table. | | | | | Test Executed by: Linjing Shen | | |
| Test Execution date: 24 Nov 2024 | | |
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| Pre-conditions:None | | | | | | | |
| Dependencies: None | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | Actual Results | | Status (Pass/Fail) | Notes |
| 1 | IEC1 | Filename is 123 | OSError | OSError | | Pass | Integers are misinterpreted as file descriptors, leading to an `OSError` instead of a `TypeError`. |
| 2 | IEC2 | Filename is 0.5 | TypeError | TypeError | | Pass | test\_float\_input() |
| 3 | IEC3 | Filename is [1,2,3] | TypeError | TypeError | | Pass | test\_list\_input() |
| 4 | IEC4 | Target is 123 | AttributeError | AttributeError | | Pass | test\_search\_target\_int() |
| 5 | IEC5 | Target is 1.0 | AttributeError | AttributeError | | Pass | test\_search\_target\_float() |
| 6 | IEC6 | Target is [1,2,3] | AttributeError | AttributeError | | Pass | test\_search\_target\_list() |
| 7 | VEC1 | Target is "" | Displays header only | Displays header only | | Pass | test\_empty\_search\_target() |
| 8 | VEC2 | Filename is "" | FileNotFoundError | FileNotFoundError | | Pass | test\_empty\_string\_input() |
| 9 | VEC3 | Filename is "products\_copy.csv", target is "apple" | Displays target product | Displays target product | | Pass | test\_right\_filename() |
| 10 | VEC4 | Filename is "products copy.csv", target is "apple" | Displays target product | Displays target product | | Pass | test\_valid\_filename\_with\_spaces() |
| 11 | VEC5 | Filename is "prod%ucts@copy.csv", target is "apple" | Displays target product | Displays target product | | Pass | test\_valid\_filename\_with\_special\_characters() |
| 12 | VEC6 | Filename is "PROdUCTS.csv", target is "apple" | Displays target product | Displays target product | | Pass | test\_valid\_filename\_with\_different\_case() |
| 13 | VEC7 | Filename is "products.cSv", target is "apple" | Displays target product | Displays target product | | Pass | test\_valid\_filename\_with\_different\_extensions() |
| 14 | VEC8 | Target is "APPLE" | Displays target product | Displays target product | | Pass | test\_search\_target\_upper\_case() |
| 15 | VEC9 | Target is " aPpLe" | Displays target product | Displays target product | | Pass | test\_search\_target\_different\_case () |
| 16 | VEC10 | Target is " aPp@e" | Displays only header | Displays only header | | Pass | test\_search\_target\_special\_characters() |
| 17 | VEC11 | Target is " house" | Displays only header | Displays only header | | Pass | test\_search\_target\_non\_existing\_product() |
| 18 | VEC12 | Target is " apple, banana" | Displays multiple target products | Displays multiple target products | | Pass | test\_search\_target\_multiple\_products() |
| 19 | VEC13 | Target is " apple&banana" | Displays multiple target products | Displays multiple target products | | Pass | test\_search\_target\_multiple\_products\_with\_spaces() |