**Test Function Document**

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| Project Name: Online Shopping Cart | |
| Automation Title: test\_display\_csv\_as\_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\_csv\_as\_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 as input and displays the content of the CSV file as a table. It handles various input types and edge cases. | | | | | 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 | VEC1 | Filename is “” | FileNotFoundError | FileNotFoundError | | Pass | test\_empty\_string\_input() |
| 5 | VEC2 | Filename is "products\_copy.csv" | Displays table correctly | Displays table correctly | | Pass | test\_right\_filename() |
| 6 | VEC3 | Filename is "products copy.csv" | Displays table correctly | Displays table correctly | | Pass | test\_valid\_filename\_with\_spaces() |
| 7 | VEC4 | Filename is "products@copy.csv" | Displays table correctly | Displays table correctly | | Pass | test\_valid\_filename\_with\_special\_characters() |
| 8 | VEC5 | Filename is "PROdUCTS.csv" | Displays table correctly | Displays table correctly | | Pass | test\_valid\_filename\_with\_different\_case() |
| 9 | VEC6 | Filename is "products.CSV" | Displays table correctly | Displays table correctly | | Pass | test\_valid\_filename\_with\_different\_extensions() |
| 10 | VEC7 | File is txt format | Displays non-CSV content correctly | Displays non-CSV content correctly | | Pass | test\_non\_csv\_file() |
| 11 | VEC8 | File with unaligned rows | Displays table with unaligned rows | Displays table with unaligned rows | | Pass | test\_invalid\_csv\_format() |
| 12 | VEC9 | File with only header | Displays header only | Displays header only | | Pass | test\_csv\_file\_with\_only\_header() |
| 13 | VEC10 | File with only one row | Displays single row | Displays single row | | Pass | test\_csv\_file\_with\_one\_row() |
| 14 | VEC11 | File with multiple rows | Displays multiple rows | Displays multiple rows | | Pass | test\_csv\_file\_with\_multiple\_rows() |