**Test Function Document**

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| Project Name: Online Shopping Cart | |
| Automation Title: test\_display\_filtered\_table | Version: 1.0 |
| Testing Phase: Phase 1 | Date of Test: 23 Nov 2023 |
| Module Name: Online Shopping Cart | |

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| Function Title: display\_filtered\_table | | | | Test Designed by: Lucas Åhl | | | |
| Test Priority (Low/Medium/High):  Low | | | | Test Designed Date: 23 Nov 2023 | | | |
| Description: Function takes a search string and searches for all products containing that string and returns the product/s | | | | Test Executed by: Lucas Åhl | | | |
| Test Execution date: 23 Nov 2023 | | | |
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| Pre-conditions: products.csv | | | | | | | |
| Dependencies: None | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | Search not in csv | "products.csv","all" | ("['Product', 'Price', 'Units']\n") | | ("['Product', 'Price', 'Units']\n") | Pass |  |
| 2 | Search exist single | "products.csv","Orange" | ("['Product', 'Price', 'Units']\n"  "['Orange', '1.5', '8']\n") | | ("['Product', 'Price', 'Units']\n"  "['Orange', '1.5', '8']\n") | Pass |  |
| 3 | Search exist pair | ("products.csv","Orange Onion") | ("['Product', 'Price', 'Units']\n"  "['Orange', '1.5', '8']\n"  "['Onion', '0.8', '20']\n") | | ("['Product', 'Price', 'Units']\n"  "['Orange', '1.5', '8']\n"  "['Onion', '0.8', '20']\n") | Pass |  |
| 4 | Search empty csv | (empty\_csv\_file,"Onion") | Raises Value Error | | Raises Value Error | Pass |  |
| 5 | Search file does not exists | ("no\_csv.csv", "search") | Raises File Not Found Error | | Raises File Not Found Error | Pass |  |
| 6 | Search file with only header | (header\_only\_csv\_file, "Orange Onion") | ("['Product', 'Price', 'Units']\n") | | ("['Product', 'Price', 'Units']\n") | Pass |  |
| 7 | Search file with no header | (csv\_file\_without\_header, "Apple Banana") | Raises Value Error | | Raises Value Error | Pass |  |
| 8 | Search file with different delimiter | (different\_delimiter\_csv\_file,"Apple") | Raises Value Error | | Raises Value Error | Pass |  |
| 9 | Search file with missing values | (csv\_file\_with\_missing\_values, "Apple") | ("['Product', 'Price', 'Units']\n"  "['Apple', '1.0', '']\n") | | ("['Product', 'Price', 'Units']\n"  "['Apple', '1.0', '']\n") | Pass |  |
| 10 | Search file containing special characters | (special\_characters\_csv\_file, "Apple") | ("['Product', 'Price', 'Units']\n"  "['Apple', '$5.00', '10']\n") | | ("['Product', 'Price', 'Units']\n"  "['Apple', '$5.00', '10']\n") | Pass |  |
| 11 | Search file with irregular spacing | (irregular\_spacing\_csv\_file, "Apple") | ("['Product', 'Price', 'Units']\n"  "['Apple', '1.0', '10']\n") | | ("['Product', 'Price', 'Units']\n"  "['Apple', '1.0', '10']\n") | Pass |  |
| 12 | Search file with quoted values | quoted\_values\_csv\_file, "Apple" | ("['Product', 'Price', 'Units']\n") | | ("['Product', 'Price', 'Units']\n") | Pass |  |
| 13 | Invalid int | copy\_csv\_file, 1 | Raises Attribute Error | | Raises Attribute Error | Pass |  |
| 14 | Invalid float | copy\_csv\_file, 4.2 | Raises Attribute Error | | Raises Attribute Error | Pass |  |
| 15 | Invalid list | copy\_csv\_file, [] | Raises Attribute Error | | Raises Attribute Error | Pass |  |