**Test Function Document**

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

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| Function Title: login | | | | Test Designed by: Lucas Åhl | | | |
| Test Priority (Low/Medium/High):  High | | | | Test Designed Date: 20 Nov 2023 | | | |
| Description: Function to try and login a user if the username and password exist in a json file, if not, ask if the user wants to register | | | | Test Executed by: Lucas Åhl | | | |
| Test Execution date: 23 Nov 2023 | | | |
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| Pre-conditions: users.json | | | | | | | |
| Dependencies: None | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | Valid new user | ["Mark", "nopass", "yes", "1234567Q#"] | {'username': 'Mark', 'password': '1234567Q#', 'wallet': 0} | | {'username': 'Mark', 'password': '1234567Q#', 'wallet': 0} | Pass |  |
| 2 | Valid existing user | ["Ramanathan", "Notaproblem23\*"] | {'username': 'Ramanathan', 'wallet': 100} | | {'username': 'Ramanathan', 'wallet': 100} | Pass |  |
| 3 | Valid existing user | ["Samantha", "SecurePass123/^"] | {'username': 'Samantha', 'wallet': 150} | | {'username': 'Samantha', 'wallet': 150} | Pass |  |
| 4 | Valid existing user | ["Maximus", "StrongPwd!23"] | {'username': 'Maximus', 'wallet': 75} | | {'username': 'Maximus', 'wallet': 75} | Pass |  |
| 5 | Valid existing user | ["Lily", "Bloom.,ing456"] | {'username': 'Lily', 'wallet': 100} | | {'username': 'Lily', 'wallet': 100} | Pass |  |
| 6 | Valid existing user | ["Sunny", "BrightDa%#$y456"] | {'username': 'Sunny', 'wallet': 120} | | {'username': 'Sunny', 'wallet': 120} | Pass |  |
| 7 | Valid existing user | ["Shadow", "Steal#$%thyCat789"] | {'username': 'Shadow', 'wallet': 80} | | {'username': 'Shadow', 'wallet': 80} | Pass |  |
| 8 | New user decline | ["Mark", "nopass1", "no"] | None | | None | Pass |  |
| 9 | Invalid new user | ["Mark", "nopass1", "yes", "pass"] | None | | None | Pass | Bad password |
| 10 | Invalid new user | ["Mark", "nopass1", "yes", "nopass111"] | None | | None | Pass | Invalid because user with name Mark already exists |
| 11 | Invalid int | [4, 4, 4] | None | | None | Pass |  |
| 12 | Invalid float | [4.2, 4.2, 4.2] | None | | None | Pass |  |
| 13 | Invalid list | [[], [], []] | None | | None | Pass |  |