**Test Function Document**

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| Project Name: Assigment1 | |
| Automation Title: test\_checkout\_and\_payment | Version: 1.0 |
| Testing Phase: Phase 1 | Date of Test: 11/24/23 |
| Module Name: CheckoutAndPayment | |

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| Function Title: checkoutAndPayment | | | | Test Designed by: Victor Delattre | | | |
| Test Priority (Low/Medium/High): High | | | | Test Designed Date: 11/23/23 | | | |
| Description: This set of tests ensures that the checkoutAndPayment function in the online shopping system correctly processes user input, manages items in the shopping cart, and executes the checkout process as intended. | | | | Test Executed by: Victor Delattre | | | |
| Test Execution date: 11/24/23 | | | |
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| Pre-conditions: products and cart have been properly created. login\_info is in the correct format. | | | | | | | |
| Dependencies: User, Product, and ShoppingCart classes. update\_users\_json, check\_cart and logout functions. | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | Invalid Login Info | Various invalid formats | Raise TypeError for invalid login info | | As expected | Pass | Test name: test\_checkout\_and\_payment\_invalid\_login\_info |
| 2 | User Input Handling | Various inputs | Correct output based on user input | | As expected | Pass | Test name: test\_checkout\_and\_payment\_scenarios |
| 3 | Product Display | None | All products printed correctly | | As expected | Pass | Test name: test\_checkout\_and\_payment\_print\_products |
| 4 | Session Management | Multiple session simulation | Correct session management in repeated calls | | As expected | Pass | Test name: test\_checkout\_and\_payment\_session\_management |

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| Function Title: update\_users\_json | | | | Test Designed by: Victor Delattre | | | |
| Test Priority (Low/Medium/High): Medium | | | | Test Designed Date: 11/23/23 | | | |
| Description: These tests ensure that the update\_users\_json function correctly updates user data in the JSON file. It includes adding new users, updating existing users' wallet amounts, and handling exceptions for invalid inputs or file issues. | | | | Test Executed by: Victor Delattre | | | |
| Test Execution date: 11/24/23 | | | |
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| Pre-conditions: username and new\_wallet are in the correct format. | | | | | | | |
| Dependencies: json | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | JSON Update | Existing user | User wallet updated in JSON | | As expected | Pass | Test name: test\_update\_users\_json\_existing\_user |
| 2 | JSON Update | New user | New user added to JSON with wallet amount | | As expected | Pass | Test name: test\_update\_users\_json\_new\_user |
| 3 | JSON Update | Invalid input/file | Handle exceptions gracefully | | As expected | Pass | Test name: test\_update\_users\_json\_exceptions |