**Test Function Document**

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| Project Name: Assignment 1 Testing | |
| Automation Title: test\_check\_cart | Version: 1.0 |
| Testing Phase: Phase 1 | Date of Test: 16 November 2023 |
| Module Name: checkout\_and\_payment.py | |

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| Function Title: test\_check\_cart | | | | Test Designed by: Edvin Eriksson | | | |
| Test Priority (Low/Medium/High): Medium | | | | Test Designed Date: 16 November 2023 | | | |
| Description: The objective of the check\_cart function is for when a user wants to see all the products that are in the cart, but also given the option to checkout if desired. | | | | Test Executed by: Edvin Eriksson | | | |
| Test Execution date: 16 November 2023 | | | |
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| Pre-conditions: None | | | | | | | |
| Dependencies: checkout, User, Product, ShoppingCart | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | VEC1 | checkout\_stub  A list of products with one product being an orange, priced at 10 and having 3 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange in it.  user\_input “n” | Function returns false.  The checkout function is not called. | | Function returns false.  The checkout function is not called. | Pass | Test name: test\_EC1()  Tests when a product in cart, but with no checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 2 | VEC2 | checkout\_stub  A list of products with one product being an orange, priced at 10 and having 3 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange in it.  user\_input “y” | Function returns None.  The checkout function is called once. | | Function returns None.  The checkout function is called once. | Pass | Test name: test\_EC2()  Tests when a product in cart with checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 3 | VEC3 | checkout\_stub,  A list of products with two products: an orange, priced at 10 and having 3 units in total, and an apple priced at 2 having 10 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange and one apple in it.  user\_input “y” | Function returns None.  The checkout function is called once. | | Function returns None.  The checkout function is called once. | Pass | Test name: test\_EC3  Tests when multiple products in cart with checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 4 | VEC4 | checkout\_stub  A user named Kim with a wallet worth 100.  user\_input “y” | Function returns None.  The checkout function is called once. | | Function returns None.  The checkout function is called once. | Pass | Test name: test\_EC4()  Tests when empty cart with checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 5 | VEC5 | checkout\_stub,  A list of products with two products: an orange, priced at 10 and having 3 units in total, and an apple priced at 2 having 10 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange and one apple in it.  user\_input “n” | Function returns false.  The checkout function is not called. | | Function returns false.  The checkout function is not called. | Pass | Test name: test\_EC5()  Tests when multiple products in cart, but with no checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 6 | VEC6 | checkout\_stub  A list of products with one product being an orange, priced at 10 and having 3 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange in it.  user\_input “t” | Function returns false.  The checkout function is not called. | | Function returns false.  The checkout function is not called. | Pass | Test name: test\_EC6()  Test with product in cart, but wrong input to checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 7 | VEC7 | checkout\_stub,  A user named Kim with a wallet worth 100.  An empty shopping cart.  user\_input “n” | Function returns false.  The checkout function is not called. | | Function returns false.  The checkout function is not called. | Pass | Test name: test\_EC7()  Tests when empty cart, but with no checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 8 | VEC8 | checkout\_stub,  A list of products with one product being an orange, priced at 10 and having 1 unit in total.  A user named Kim with a wallet worth 0.  A shopping cart with one orange in it.  user\_input “n” | Function returns false.  The checkout function is not called. | | Function returns false.  The checkout function is not called. | Pass | Test name: test\_EC8()  Tests with insufficient wallet, with product in cart but no checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 9 | VEC9 | checkout\_stub  A list of products with one product being an orange, priced at -10 and having 3 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange in it.  user\_input “y” | Function returns None.  The checkout function is called once. | | Function returns None.  The checkout function is called once. | Pass | Test name: test\_EC9()  Tests with product in cart with negative price with checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |
| 10 | VEC10 | checkout\_stub  A list of products with one product being an orange, priced at 10 and having -1 units in total.  A user named Kim with a wallet worth 100.  A shopping cart with one orange in it.  user\_input “y” | Function returns None.  The checkout function is called once. | | Function returns None.  The checkout function is called once. | Pass | Test name: test\_EC10()  Tests when product in cart with negative units, with checkout  Uses a fixture new\_cart that is an empty ShoppingCart().  The checkout\_stub return value is set to None |