Software Verification Plan

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| **Test Case ID** | TC001 |
| **SW** | Version: 2019 |
| **Test Case Summary** | To verify that clicking the Generate Coin button generates coins. |
| **Related Requirement** | RS001 |
| **Prerequisites** | 1. User is authorized. 2. Coin balance is available. |
| **Test Procedure** | 1. Select the coin denomination in the Denomination field. 2. Enter the number of coins in the Quantity field. 3. Click Generate Coin. |
| **Test Data** | 1. Denominations: 0.05, 0.10, 0.25, 0.50, 1, 2, 5 2. Quantities: 0, 1, 5, 10, 20 |
| **Expected Result** | 1. Coin of the specified denomination should be produced if the specified Quantity is valid (1, 5) 2. A message ‘Please enter a valid quantity between 1 and 10’ should be displayed if the specified quantity is invalid. |
| **Actual Result** | 1. If the specified quantity is valid, the result is as expected. 2. If the specified quantity is invalid, nothing happens; the expected message is not displayed |
| **Status** | Fail |
| **Remarks** | This is a sample test case. |
| **Created By** | Jesus Ramirez |
| **Date of Creation** | 11/10/19 |
| **Executed By** | Jane Roe |
| **Date of Execution** | 11/10/19 |
| **Test Environment** | * OS: Windows Y * Browser: Chrome N |

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| REQ- 017 | Verify that ACD\_thread\_entry output is dutyCycle  1.-Verify that dutyCycle is 0 RPM  When  The set point is 0% PWM  2.-Verify that dutyCycle is 554-567 RPM  When  The set point is 25% PWM  3.-Verify that dutyCycle is 824 - 842 RPM  When  The set point is 50% PWM  4.-Verify that dutyCycle is 2485 -2570 RPM  When  The set point is 75% PWM  5.-Verify that dutyCycle is 3149 – 3205 RPM  When  The set point is 100% PWM | T |
| REQ- 019 | Verify that \_\_\_\_\_\_\_\_\_\_\_\_\_\_ output is | T |
| REQ-021 | Verify that \_\_\_\_\_\_\_\_\_\_\_\_\_\_ output is | T |