# Scenario – Debugging

## Scenario Description

* This test is designed to find the bugs within the “Crown & Anchor” game.
* Each test will find a single bug within the program.

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 1.0 | 15/10/2017 | Corey Schmetzer | Initial Draft |

## Test Scripts

The following scripts will cover this scenario:

1. Bug – Game does not payout at correct level

## Test Components/Requirements

* User plays the Crown and Anchor game

**Script 1: Bug –** **Game does not payout at correct level**

### Script Description

* This script looks at the bug where the player wins a match their balance does not increase.

### Testing Requirements

This test follows the following rules of the game:

* A wager on a particular symbol shall win if the symbol appears on one or more of the uppermost face of the three dice and shall lose if the symbol does not appear.
* Winning wagers shall be paid at odds equal to:-

|  |  |
| --- | --- |
| if the symbol appears on the uppermost face of 3 dice | 3 to 1 |
| if the symbol appears on the uppermost face of 2 dice | 2 to 1 |
| if the symbol appears on the uppermost face of 1 dice | 1 to 1 |

### Setup

* The program should be running.
* The players balance should be greater than minimum bet.
* The player should place a bet on a single symbol.

### Post-conditions

The post conditions are determined by dice results, these include the following cases:

* No matches. The balance should decrease by -5
* 1 match, balance is increased by 5, balance should equal previous balance +5
* 2 matches, balance is increased by 10, balance should equal previous balance +5
* 3 matches, balance is increased by 15, balance should equal previous balance +5

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Start a new game | A new valid game is created | P |
| 2 | Pick a symbol and bet 5 | 3 face values of dice and a win or lose result | P |
| 3 | Check winnings result | Confirm winnings amount is correct according to post-conditions cases.   * 0 matches, winning amount = -5 * 1 matches, winning amount = 5 * 2 matches, winning amount = 10 * 3 matches, winning amount = 15 | P |
| 4 | Check player balance | Balance is changed respective to results | P |

### Test Data

|  |  |  |  |
| --- | --- | --- | --- |
| User | Starting Balance | Three Dices | A Bet |
| “Fred” | “100” | “d1,d2,d3” | “Crown” |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 15/10/2017 10:00pm | Corey | 11603457 | UAT | Fail |
| 16/10/2017 10:30pm | Corey | 11603457 | UAT | Pass |