System Test Plan: Video Poker program

Introduction: Each test case below assumes that the cards directory contains the card image files The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

First 10 cards in Deck for seed of 1: [s7, h2, d5, h8, h4, h5, d13, h9, d14, s3]
First 10 cards in Deck for seed of 2: [s8, d3, h2, h12, d7, c6, d12, c3, s6, s9]
First 10 cards in Deck for seed of 13: [d13, c11, s5, s2, d10, s3, s4, s8, c7, d9]
First 10 cards in Deck for seed of 15: [c10, h4, s10, s4, c11, d4, h9, h5, d12, s12]
First 10 cards in Deck for seed of 38: [c12, d14, h5, s14, s3, s6, c7, d4, h9, d12]
First 10 cards in Deck for seed of 42: [d4, s2, h10, h11, h8, c3, d10, c6, s10, d14]

Test ID	Description	Expected Results	Actual Results
testInitialGUI Author: Dr. Balik	$ java -cp bin VideoPokerGUI 1 (Ctrl+C to stop execution)	GUI entitled "Video Poker" is displayed with 5 Heart cards (10 - Ace), (disabled) Score Hand, New Game, Quit, and 5 Red Replace buttons. Status: Press New Game to Start! Points: 100	GUI entitled "Video Poker" is displayed with 5 Heart cards (10 - Ace), (disabled) Score Hand, New Game, Quit, and 5 Red Replace buttons. Status: Press New Game to Start! Points: 100
testNewGame Author: Dr. Balik	$ java -cp bin VideoPokerGUI 1 **Click on New Game button** (Ctrl+C to stop execution)	GUI displays cards: [s7, h2, d5, h8, h4] Points: 90	GUI displays cards: [s7, h2, d5, h8, h4] Points: 90
testQuit Author: Dr. Balik	$ java -cp bin VideoPokerGUI 1 **Click on Quit button**	GUI closes	GUI closes

Test ID	Description	Expected Results	Actual Results
testScoreHandWithNo Replacements Author: Dr. Balik	$ java -cp bin VideoPokerGUI 1 **Click on New Game button** **Click on Score Hand button**	GUI displays cards: [s7, h2, d5, h8, h4] Status: No Pair Points: 90	GUI displays cards: [s7, h2, d5, h8, h4] Status: No Pair Points: 90
testOneReplacement Author: Dr. Balik	$ java -cp bin VideoPokerGUI 1 **Click on New Game button** **Click on Replace button under first card** **Click on Score Hand button**	GUI displays cards: [h5, h2, d5, h8, h4] Status: One Pair Points: 97	GUI displays cards: [h5, h2, d5, h8, h4] Status: One Pair Points: 97
testSeedTwoThreeRepl acementsTwoPairs Author: Will Greene	$ java -cp bin VideoPokerGUI 2 **Click on New Game button** **Click on Replace button under first, third and fifth cards** **Click on Score Hand button**	GUI displays cards: [c6, d3, d12, h12, c3] Status: Two Pairs Points: 100	GUI displays cards: [c6, d3, d12, h12, c3] Status: Two Pairs Points: 100
testSeedThirteenThree ReplacementsFlush Author: Will Greene	$ java -cp bin VideoPokerGUI 13 **Click on New Game button** **Click on Replace button under first, second and fifth cards** **Click on Score Hand button**	GUI displays cards: [s3, s4, s5, s2, s8] Status: Flush Points: 120	GUI displays cards: [s3, s4, s5, s2, s8] Status: Flush Points: 120

testSeedFifteenOneReplacementFullHouse Author: Will Greene	$ java -cp bin VideoPokerGUI 15 **Click on New Game button** **Click on Replace button under fifth card** **Click on Score Hand button**	GUI displays cards: [c10, h4, s10, s4, d4] Status: Full House Points: 130	GUI displays cards: [c10, h4, s10, s4, d4] Status: Full House Points: 130
testSeedThirtyEightThreeReplacementsStraight Author: Will Greene	$ java -cp bin VideoPokerGUI 38 **Click on New Game button** **Click on Replace button under first, second and fourth cards** **Click on Score Hand button**	GUI displays cards: [s6, c7, h5, d4, s3] Status: Straight Points: 115	GUI displays cards: [s6, c7, h5, d4, s3] Status: Straight Points: 115
testSeedFortyTwoFourReplacementsThreeOfAKind Author: Will Greene	$ java -cp bin VideoPokerGUI 42 **Click on New Game button** **Click on Replace button under first, second, fourth and fifth cards** **Click on Score Hand button**	GUI displays cards: [c3, d10, h10, c6, s10] Status: Three of a Kind Points: 105	GUI displays cards: [c3, d10, h10, c6, s10] Status: Three of a Kind Points: 105