

## 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  <b>Click on New Game button</b>  (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  <b>Click on Quit button</b>	GUI closes	GUI closes

Test ID	Description	Expected Results	Actual Results
testScoreHandWithNo Replacements  Author: Dr. Balik	\$ java -cp bin VideoPokerGUI 1  <b>Click on New Game button</b> <b>Click on Score Hand button</b>	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  <b>Click on New Game button</b> <b>Click on Replace button under first card</b> <b>Click on Score Hand button</b>	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
testSeedTwoThreeReplacementsTwoPairs  Author: Will Greene	\$ java -cp bin VideoPokerGUI 2  <b>Click on New Game button</b> <b>Click on Replace button under first, third and fifth cards</b> <b>Click on Score Hand button</b>	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  <b>Click on New Game button</b> <b>Click on Replace button under first, second and fifth cards</b> <b>Click on Score Hand button</b>	GUI displays cards: [s4, s3, s5, s2, s8] Status: Flush Points: 120	GUI displays cards: [s4, s3, s5, s2, s8] Status: Flush Points: 120

testSeedFifteenOneReplacementFullHouse  Author: Will Greene	\$ java -cp bin VideoPokerGUI 15  <b>Click on New Game button</b> <b>Click on Replace button under fifth card</b> <b>Click on Score Hand button</b>	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  <b>Click on New Game button</b> <b>Click on Replace button under first, second and fourth cards</b> <b>Click on Score Hand button</b>	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  <b>Click on New Game button</b> <b>Click on Replace button under first, second, fourth and fifth cards</b> <b>Click on Score Hand button</b>	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