

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 9: [h12, h7, h13, h9, s8, h3, c14, h4, c10, d3]

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 36: [s7, c10, c12, d6, c11, s6, c4, h8, h5, s5]

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

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

Student Tests:

Test ID	Description	Expected Results	Actual Results
testNewGame2 Author: Anthony Du	\$ java -cp bin VideoPokerGUI 2 Click on New Game button (Ctrl+C to stop execution)	GUI displays cards: [s8, d3, h2, h12, d7] Points: 90	GUI displays cards: [s8, d3, h2, h12, d7] Points: 90
testScoreHandWithNoReplacements2 Author: Anthony Du	\$ java -cp bin VideoPokerGUI 2 Click on New Game button Click on Score Hand button	GUI displays cards: [s8, d3, h2, h12, d7] Status: No Pair Points: 90	GUI displays cards: [s8, d3, h2, h12, d7] Status: No Pair Points: 90
testTwoPairs Author: Anthony Du	\$ java -cp bin VideoPokerGUI 2 Click on New Game button Click on Replace button under cards 1, 3, and 5 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
testFullHouse Author: Anthony Du	\$ java -cp bin VideoPokerGUI 15 Click on New Game button Click on Replace button under the 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

testThreeOfAKind Author: Anthony Du	\$ java -cp bin VideoPokerGUI 15 Click on New Game button Click on Replace button under the third card Click on Score Hand button	GUI displays cards: [c10, h4, d4, s4, c11] Status: Three of a Kind Points: 105	GUI displays cards: [c10, h4, d4, s4, c11] Status: Three of a Kind Points: 105
testFlush Author: Anthony Du	\$ java -cp bin VideoPokerGUI 9 Click on New Game button Click on Replace button under the fifth card Click on Score Hand button	GUI displays cards: [h12, h7, h13, h9, h3] Status: Flush Points: 120	GUI displays cards: [h12, h7, h13, h9, h3] Status: Flush Points: 120
testStraight Author: Anthony Du	\$ java -cp bin VideoPokerGUI 36 Click on New Game button Click on Replace button under the cards 2, 3, 4, and 5 Click on Score Hand button	GUI displays cards: [s7, s6, c4, h8, h5] Status: Straight Points: 115	GUI displays cards: [s7, s6, c4, h8, h5] Status: Straight Points: 115