

## 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, d7, s1, d3, d4, s4]

List first 10 cards in Deck for other seeds used in your tests (from provided CardsFromDeck.java):

| Test ID                                 | Description  | Expected Results  | Actual Results  |
|---|--|---|---|
| testInitialGUI<br><br>Author: Dr. Balik | \$ java -cp bin VideoPokerGUI 1<br><br>(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.<br>Status: Press New Game to Start!<br>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.<br>Status: Press New Game to Start!<br>Points: 100 |
| testNewGame<br><br>Author: Dr. Balik    | \$ java -cp bin VideoPokerGUI 1<br><br><b>Click on New Game button</b><br><br>(Ctrl+C to stop execution) | GUI displays cards: [s7, h2, d5, h8, h4]<br>Points: 90  | GUI displays cards: [s7, h2, d5, h8, h4]<br>Points: 90  |
| testQuit                                | \$ java -cp bin VideoPokerGUI 1  | GUI closes  | GUI closes  |

| Author: Dr. Balik   | <b>Click on Quit button</b>  |  |  |
|---|--|--|--|
| <b>Test ID</b>  | <b>Description</b>   | <b>Expected Results</b>  | <b>Actual Results</b>  |
| testScoreHandWithNo Replacements<br><br>Author: Dr. Balik | \$ java -cp bin VideoPokerGUI 1<br><br><b>Click on New Game button</b><br><b>Click on Score Hand button</b>  | GUI displays cards: [s7, h2, d5, h8, h4]<br>Status: No Pair<br>Points: 90  | GUI displays cards: [s7, h2, d5, h8, h4]<br>Status: No Pair<br>Points: 90  |
| testOneReplacement<br><br>Author: Dr. Balik               | \$ java -cp bin VideoPokerGUI 1<br><br><b>Click on New Game button</b><br><b>Click on Replace button under first card</b><br><b>Click on Score Hand button</b>   | GUI displays cards: [h5, h2, d5, h8, h4]<br>Status: One Pair<br>Points: 97 | GUI displays cards: [h5, h2, d5, h8, h4]<br>Status: One Pair<br>Points: 97 |
| testOneReplacementS econdCard<br><br>Author: Rohit Arun   | \$ java -cp bin VideoPokerGUI 1<br><br><b>Click on New Game button</b><br><b>Click on Replace button under second card</b><br><b>Click on Score Hand button</b>  | GUI displays cards: [s7, h5, d5, h8, h4]<br>Status: One Pair<br>Points: 97 | GUI displays cards: [s7, h5, d5, h8, h4]<br>Status: One Pair<br>Points: 97 |
| testTwoReplacements<br><br>Author: Rohit Arun             | \$ java -cp bin VideoPokerGUI 1<br><br><b>Click on New Game button</b><br><b>Click on Replace button under second card</b><br><b>Click on Replace button under third card</b><br><b>Click on Score Hand button</b> | GUI displays cards: [s7, h5, d13, h8, h4]<br>Status: No Pair<br>Points: 90 | GUI displays cards: [s7, h5, d13, h8, h4]<br>Status: No Pair<br>Points: 90 |

|  |  |   |   |
|--|--|---|---|
| testTwoNewGames<br><br>Author: Rohit Arun            | \$ java -cp bin VideoPokerGUI 1<br><br><b>Click on New Game button</b><br><b>Click on New Game button</b>  | GUI displays cards: [s7, h2, d5, h8, h4]<br>Status: One Pair<br>Points: 97<br><br>GUI displays cards: [s13, h6, d11, h12, h7]<br>Status: One Pair<br>Points: 97 | GUI displays cards: [s7, h2, d5, h8, h4]<br>Status: One Pair<br>Points: 97<br><br>GUI displays cards: [s13, h6, d11, h12, h7]<br>Status: One Pair<br>Points: 97 |
| testSeedTwoOneReplacement<br><br>Author: Rohit Arun  | \$ java -cp bin VideoPokerGUI 2<br><br><b>Click on New Game button</b><br><b>Click on Replace button under third card</b><br><b>Click on Score Hand button</b>   | GUI displays cards: [s8, d3, s6, h12, d7]<br>Status: No Pair<br>Points: 90  | GUI displays cards: [s8, d3, s6, h12, d7]<br>Status: No Pair<br>Points: 90  |
| testSeedTwoTwoReplacements<br><br>Author: Rohit Arun | \$ java -cp bin VideoPokerGUI 2<br><br><b>Click on New Game button</b><br><b>Click on Replace button under third card</b><br><b>Click on Replace button under fourth card</b><br><b>Click on Score Hand button</b> | GUI displays cards: [s8, d3, c6, d12, d7]<br>Status: No Pair<br>Points: 90  | GUI displays cards: [s8, d3, c6, d12, d7]<br>Status: No Pair<br>Points: 90  |