

System Test Plan: DealGame program

Introduction: The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

| Test ID | Description | Expected Results | Actual Results |
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| testInitialGUI Author: Dr. Balik | Precondition: Delete highscore.txt file (if it exists) \$ java -cp bin DealGameGUI -t (Close window to stop execution) | GUI entitled "Deal or No Deal" and directions "Select Your Box by Clicking On It" is displayed with buttons labeled Box 1 - Box 26 and Remaining Values \$0.01, \$1.00, \$5.00, ... , \$500,000.00, \$750,000.00, \$1,000,000.00 High Score: \$0.00 | GUI entitled "Deal or No Deal" and directions "Select Your Box by Clicking On It" is displayed with buttons labeled Box 1 - Box 26 and Remaining Values \$0.01, \$1.00, \$5.00, ... , \$500,000.00, \$750,000.00, \$1,000,000.00 High Score: \$0.00 |
| testSelectUserBox Author: Dr. Balik | Precondition: Delete highscore.txt file (if it exists) \$ java -cp bin DealGameGUI -t Click on Box 1 (Close window to stop execution). | Box 1 is now labeled "Your Box" Directions: "6 boxes left to open this round." | Box 1 is now labeled "Your Box" Directions: "6 boxes left to open this round." |

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| <p>testOpen6Boxes</p> <p>Author: Dr. Balik</p> | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> <p>Click on Box 1, Box 2, Box 3, Box 4, Box 5, Box 6, Box 7</p> <p>(Close window to stop execution).</p> | <p>Boxes 2 - 7 are now labeled \$1.00, \$5.00, \$10.00, \$25.00, \$50.00, \$75.00 and these values are crossed through in the Remaining Values list</p> <p>Deal or No Deal? dialog box with text "The Banker is offering you \$17, 091.25 for your box. Do you accept?"</p> | <p>Boxes 2 - 7 are now labeled \$1.00, \$5.00, \$10.00, \$25.00, \$50.00, \$75.00 and these values are crossed through in the Remaining Values list</p> <p>Deal or No Deal? dialog box with text "The Banker is offering you \$17, 091.25 for your box. Do you accept?"</p> |
| <p>testAcceptOfferInFirst Round</p> <p>Author: Dr. Balik</p> | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> <p>Click on Box 3, Box 17, Box 15, Box 25, Box 26, Box 6, Box 9</p> <p>Click Yes button on Deal or No Deal? dialog box.</p> <p>Click OK button on Game Over dialog box.</p> <p>Click OK button on New High Score! Dialog box.</p> | <p>Game Over dialog box with text "You have accepted the offer of \$8,190.83. Your box contained \$5.00, so you have made a GOOD DEAL!"</p> <p>New High Score! Dialog box with "You have set a new high score!!! \$8,190.83"</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 8190.83005 (this value may differ in the last few digits)</p> | <p>Game Over dialog box with text "You have accepted the offer of \$8,190.83. Your box contained \$5.00, so you have made a GOOD DEAL!"</p> <p>New High Score! Dialog box with "You have set a new high score!!! \$8,190.83"</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 8190.83005 (this value may differ in the last few digits)</p> |

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| testKeepSameBoxLast Round Author: Austin Warren | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> <p>Click on Box 1, Box 2, Box 3, Box 4, Box 5, Box 6, Box 7</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 8, Box 9, Box 10, Box 11, Box 12,</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 13, Box 14, Box 15, Box 16,</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 17, Box 18, Box 19</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 20, Box 21</p> | <p>Game Over dialog box with text “You have stayed with your box, and earned \$0.01. The other box contained \$1,000,000.00. You have made a BAD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$0.01”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 0.01 (this value may differ in the last few digits)</p> | <p>Game Over dialog box with text “You have stayed with your box, and earned \$0.01. The other box contained \$1,000,000.00. You have made a BAD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$0.01”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 0.01 (this value may differ in the last few digits)</p> |
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| | <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 22</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 23</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 24</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 25</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click the Yes button on Deal or No Deal? dialog box.</p> <p>Click OK button on the Game Over dialog box.</p> | | |
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| | Click the OK button on New High Score! Dialog box. | | |
| testSwapBoxLastRound Author: Austin Warren | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> <p>Click on Box 1, Box 2, Box 3, Box 4, Box 5, Box 6, Box 7</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 8, Box 9, Box 10, Box 11, Box 12,</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 13, Box 14, Box 15, Box 16,</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 17, Box 18, Box 19</p> | <p>Game Over dialog box with text “You have swapped boxes, and earned \$1,000,000.00. Your original box contained \$0.01. You have made a GOOD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$1,000,000.00”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 1,000,000.00 (this value may differ in the last few digits)</p> | <p>Game Over dialog box with text “You have swapped boxes, and earned \$1,000,000.00. Your original box contained \$0.01. You have made a GOOD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$1,000,000.00”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 1,000,000.00 (this value may differ in the last few digits)</p> |

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| | <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 20, Box 21</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 22</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 23</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 24</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 25</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click No button on Deal or No Deal? dialog box.</p> | | |
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| | Click OK button on the Game Over dialog box. | | |
| <p>testAccpetOfferSecond Round</p> <p>Author: Austin Warren</p> | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> <p>Click on Box 1, Box 2, Box 3, Box 4, Box 5, Box 6, Box 7</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 8, Box 9, Box 10, Box 11, Box 12</p> <p>Click Yes button on Deal or No Deal? dialog box.</p> <p>Click OK button on the Game Over dialog box.</p> | <p>Game Over dialog box with text “You have accepted the offer of \$45,556.67. Your box contained \$0.01, so you have made a GOOD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$45,556.673”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 45556.66679999999 (this value may differ in the last few digits)</p> | <p>Game Over dialog box with text “You have accepted the offer of \$45,556.67. Your box contained \$0.01, so you have made a GOOD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$45,556.673”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 45556.66679999999 (this value may differ in the last few digits)</p> |
| <p>testAcceptOfferThirdRound</p> <p>Author: Austin Warren</p> | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> | <p>Game Over dialog box with text “You have accepted the offer of \$92,727.27. Your box contained \$0.01, so you have made a GOOD DEAL!”.</p> | <p>Game Over dialog box with text “You have accepted the offer of \$92,727.27. Your box contained \$0.01, so you have made a GOOD DEAL!”.</p> |

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| | <p>Click on Box 1, Box 2, Box 3, Box 4, Box 5, Box 6, Box 7</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 8, Box 9, Box 10, Box 11, Box 12</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 13, Box 14, Box 15, Box 16</p> <p>Click Yes button on Deal or No Deal? dialog box.</p> <p>Click OK button on the Game Over dialog box.</p> | <p>New High Score! Dialog box with “You have set a new high score!!! \$92,727.27”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 92727.273 (this value may differ in the last few digits)</p> | <p>New High Score! Dialog box with “You have set a new high score!!! \$92,727.27”</p> <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 92727.273 (this value may differ in the last few digits)</p> |
| <p>testAcceptLastOffer</p> <p>Author: Austin Warren</p> | <p>Precondition: Delete highscore.txt file (if it exists)</p> <p>\$ java -cp bin DealGameGUI -t</p> <p>Click on Box 1, Box 2, Box 3, Box 4, Box 5, Box 6, Box 7</p> | <p>Game Over dialog box with text “You have accepted the offer of \$450,000. Your box contained \$0.01, so you have made a GOOD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$450,000”</p> | <p>Game Over dialog box with text “You have accepted the offer of \$450,000. Your box contained \$0.01, so you have made a GOOD DEAL!”.</p> <p>New High Score! Dialog box with “You have set a new high score!!! \$450,000”</p> <p>Program quits</p> |

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| | <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 8, Box 9, Box 10, Box 11, Box 12,</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 13, Box 14, Box 15, Box 16,</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 17, Box 18, Box 19</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 20, Box 21</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 22</p> <p>Click No button on Deal or No Deal? dialog box.</p> | <p>Program quits</p> <p>Project 6 directory contains highscore.txt file with value 450000.0045 (this value may differ in the last few digits)</p> | <p>Project 6 directory contains highscore.txt file with value 450000.0045 (this value may differ in the last few digits)</p> |
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| | <p>Click on Box 23</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 24</p> <p>Click No button on Deal or No Deal? dialog box.</p> <p>Click on Box 25</p> <p>Click Yes button on Deal or No Deal? dialog box.</p> <p>Click OK button on the Game Over dialog box.</p> | | |
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