System Test Plan: Match Game 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.

Test ID	Description	Expected Results	Actual Results
testInitialGUI Author: Dr. Balik	\$ java -cp bin MatchGameGUI -t (Ctrl+C to stop execution)	GUI entitled "Match Game" is displayed with 4 rows and 13 cols of greyed-out cards, EASY GAME, HARD GAME, and QUIT buttons. Status: Welcome to the Match Game choose an Easy or Hard Game! Correct Guesses: 0 Total Guesses: 0 Average: <blank></blank>	GUI entitled "Match Game" is displayed with 4 rows and 13 cols of greyed-out cards, EASY GAME, HARD GAME, and QUIT buttons. Status: Welcome to the Match Game choose an Easy or Hard Game! Correct Guesses: 0 Total Guesses: 0 Average: <black></black>
testEasyGame Author: Dr. Balik	\$ java -cp bin MatchGameGUI -t Click on EASY GAME button (Ctrl+C to stop execution)	GUI displays 4 rows and 13 cols of white cards. Status: Easy Game match cards with same value!	GUI displays 4 rows and 13 cols of white cards. Status: Easy Game match cards with same value!

testHardGame Author: Dr. Balik	\$ java -cp bin MatchGameGUI -t Click on HARD GAME button (Ctrl+C to stop execution)	GUI displays 4 rows and 13 cols of white card buttons. Status: Hard Game match cards with same value and color!	GUI displays 4 rows and 13 cols of white card buttons. Status: Hard Game match cards with same value and color!
testQuit Author: Dr. Balik	\$ java -cp bin MatchGameGUI -t Click on QUIT button	GUI closes	GUI closes
testEasyGameMatch Author: Dr. Balik	\$ java -cp bin MatchGameGUI -t Click on EASY GAME button Click on card in row 0, col 0 Click on card in row 1, col 0	GUI displays 2 of clubs at row 0, col 0 2 of diamonds at row 1, col 0 Correct Guesses: 1 Total Guesses: 1 Average: 1.00	GUI displays 2 of clubs at row 0, col 0 2 of diamonds at row 1, col 0 Correct Guesses: 1 Total Guesses: 1 Average: 1.00
testHardGameNotMat ch Author: Dr. Balik	\$ java -cp bin MatchGameGUI -t Click on HARD GAME button Click on card in row 0, col 0 Click on card in row 1, col 0	GUI briefly displays 2 of clubs at row 0, col 0 2 of diamonds at row 1, col 0 and then redisplays white cards at the same positions Correct Guesses: 0 Total Guesses: 1 Average: 0.00	GUI briefly displays 2 of clubs at row 0, col 0 2 of diamonds at row 1, col 0 and then redisplays white cards at the same positions Correct Guesses: 0 Total Guesses: 1 Average: 0.00

testEasyGameNotM atch Author: Levi Whitener	\$ java -cp bin MatchGameGUI -t Click on EASY GAME button Click on card in row 0, col 0 Click on card in row 1, col 1	GUI briefly displays 2 of clubs at row 0, col 0 3 of diamonds at row 1, col 1 and then redisplays white cards at the same positions Correct Guesses: 0 Total Guesses: 1 Average: 0.00	GUI briefly displays 2 of clubs at row 0, col 0 3 of diamonds at row 1, col 1 and then redisplays white cards at the same positions Correct Guesses: 0 Total Guesses: 1 Average: 0.00
testEasyGameAllMatc h Author: Levi Whitener	\$ java -cp bin MatchGameGUI -t Click on EASY GAME button Click on card in row 0, col 0 Click on card in row 1, col 0 Click on card in row 2, col 0 Click on card in row 3, col 0	GUI displays 2 of clubs at row 0, col 0 2 of diamonds at row 1, col 0 2 of diamonds at row 2, col 0 2 of diamonds at row 3, col 0 Correct Guesses: 26 Total Guesses: 26 Average: 1.00	GUI displays 2 of clubs at row 0, col 0 2 of diamonds at row 1, col 0 2 of diamonds at row 2, col 0 2 of diamonds at row 3, col 0 Correct Guesses: 26 Total Guesses: 26 Average: 1.00
testHardGameAllMatc h Author: Levi Whitener	\$ java -cp bin MatchGameGUI -t Click on HARD GAME button Click on card in row 0, col 0 Click on card in row 3, col 0 Click on card in row 1, col 0 Click on card in row 2, col 0	GUI displays 2 of clubs at row 0, col 0 2 of spades at row 3, col 0 2 of diamonds at row 1, col 0 2 of hearts at row 2, col 0 Correct Guesses: 26 Total Guesses: 26 Average: 1.00	GUI displays 2 of clubs at row 0, col 0 2 of spades at row 3, col 0 2 of diamonds at row 1, col 0 2 of hearts at row 2, col 0 Correct Guesses: 26 Total Guesses: 26 Average: 1.00

testEasyGameGuessCo	\$ java -cp bin MatchGameGUI -t	GUI <i>briefly</i> displays	GUI <i>briefly</i> displays
unter		2 of clubs at row 0, col 0	2 of clubs at row 0, col 0
	Click on EASY GAME button	3 of diamonds at row 1, col 1	3 of diamonds at row 1, col 1
Author: Levi Whitener	Click on card in row 0, col 0	and then <i>redisplays</i> white	and then <i>redisplays</i> white cards at the
	Click on card in row 1, col 1	cards at the same positions	same positions
	Click on card in row 0, col 0	2 of clubs at row 0, col 0	2 of clubs at row 0, col 0
	Click on card in row 1, col 0	2 of diamonds at row 1, col 0	2 of diamonds at row 1, col 0
	Click on card in row 2, col 0		
	Click on card in row 3, col 1	Correct Guesses: 26	Correct Guesses: 26
	Click on card in row 2, col 0	Total Guesses: 51	Total Guesses: 51
	Click on card in row 3, col 0	Average: 0.510	Average: 0.510
testHardGameGuessC	\$ java -cp bin MatchGameGUI -t	GUI <i>briefly</i> displays	GUI <i>briefly</i> displays
ounter		2 of clubs at row 0, col 0	2 of clubs at row 0, col 0
	Click on EASY GAME button	3 of spades at row 3, col 1	3 of spades at row 3, col 1
Author: Levi Whitener	Click on card in row 0, col 0	and then <i>redisplays</i> white	and then redisplays white cards at the
	Click on card in row 3, col 1	cards at the same positions	same positions
	Click on card in row 0, col 0	2 of clubs at row 0, col 0	2 of clubs at row 0, col 0
	Click on card in row 3, col 0	2 of spades at row 3, col 0	2 of spades at row 3, col 0
	Click on card in row 1, col 0		
	Click on card in row 2, col 1	Correct Guesses: 26	Correct Guesses: 26
	Click on card in row 1, col 0	Total Guesses: 52	Total Guesses: 52
	Click on card in row 2, col 0	Average: 0.50	Average: 0.50