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Project 2 Test Plan

Input Validation							
Calling Function	Variable	Test Case	Input Values	Driver Functions	Expected Outcomes	Actual Outcomes	
mainMenuValidate()	userIn	Negative number Out of bounds: High Out of bounds: Low First digit: Letter First digit: Non- numeric First digit: Blank Space Multiple digits	userln<0 userln>2 userln<1 userln==a userln==_1 userln== 1 userln==' ' userln==12	zooMenu:: mainMenu	Please re-enter your choice as an integer 1 (Play a game) or 2 (Quit the game): User prompted to enter new value	Please reenter your choice as an integer 1 (Play a game) or 2 (Quit the game): User prompted to enter new value	
		Correct range	userIn==1		Return int value 1 or 2	Return int value 1 or 2	
initialPurchaseValidate()	userIn	Negative number Out of bounds: High Out of bounds: Low First digit: Letter First digit: Non- numeric First digit: Blank Space	userln<0 userln>count userln<1 userln==a userln==_1 userln== 1 userln==' '	zooMenu:: initialPurchaseMenu()	Please re-enter your choice as an integer less than << count << or greater than 0	Please re- enter your choice as an integer less than << count << or greater than 0	

		Multiple digits	userIn==12		User prompted to enter new value	User prompted to enter new value
		Correct range	userIn>0 && userIn <count< td=""><td></td><td>Return int value 1, 2, or 3</td><td>Return int value 1, 2, or 3</td></count<>		Return int value 1, 2, or 3	Return int value 1, 2, or 3
		Out of bounds: High	userIn>3		Please re-enter	Please re-
		Out of bounds: Low	userIn<1		your choice as an	enter your
		Negative number	userIn<0		integer 1, 2, or 3:	choice as an
		First digit: Letter	userIn==a			integer 1, 2, or
endDayPurchaseValidate()		First digit: Non-	userIn==_1		Prompt user to	3:
	userIn	numeric		zooMenuu:: endOfDayPurchase()	enter new value	
		First digit: Blank	userIn== 1			Prompt user
		Space	userIn==' '			to enter new
		Multiple digits	userIn==12			value
		Correct range	userIn==2		Int 2 returned to calling function	Int 2 returned to calling function
	userIn	Negative number	userIn<0		Please re-enter	Please re-
		Out of bounds: High	userIn>2		your choice as an	enter your
		Out of bounds: Low	userIn<1		integer 1 (Buy an	choice as an
		First digit: Letter	userIn==a		animal) or 2 (Skip	integer 1 (Buy
		First digit: Non-	userIn==_1		ahead):	an animal) or
endOfDayValidate()		numeric		zooMenu::		2 (Skip ahead):
		First digit: Blank	userIn== 1	endOfDayMenu()	Prompt user to	
		Space	userIn==' '		enter new value	Prompt user
		Multiple digits	userIn==12			to enter new value
		Correct range	userIn==1		Int 1 returned to calling function	Int 1 returned to calling function
endMenuValidate()	userIn	Negative number	userIn<0	warMenu::		
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Out of bounds: High	userIn>2	endMenu()	Please re-enter	Please re-
Out of bounds: Low	userIn<1		your choice as an	enter your
First digit: Letter	userIn==a	main()	integer 1 (Keep	choice as an
First digit: Non-	userIn==_1		playing) or 2 (Exit	integer 1
numeric			the game)	(Keep playing)
First digit: Blank	userIn== 1			or 2 (Exit the
Space	userIn==' '		Prompt user to	game)
Multiple digits	userIn==12		enter new value	
				Prompt user
				to enter new
				value
Correct range	userIn==1		Int 1 returned to	Int 1 returned
			calling function	to calling
				function