BLACK BOX TEST PLAN

Using the following file for testing purposes:

> **RentalFile0.txt**

```
START_DAY,END_DAY,COST,MAKE,MODEL
1,2,85,Chevrolet,Tahoe
1,4,255,Toyota,Prius
2,5,220,Ford,Explorer
4,5,50,Honda,Accord
2,3,65,Jeep,Compass
3,5,90,Ford,Explorer
3,4,55,Kia,Soul
1,5,500,Honda,CRV
1,3,180,Chevrolet,Silverado
2,4,90,Jeep,Cherokee
```

Test ID	Description	Expected Results	Actual Results
testFileLoad	Prerequisites: 1. The user knows how to start the program, and then does so. Steps: 1. Once the program has started running, a prompt should be given to input a file. Enter 'RentalFile.txt'. 2. The program should reprompt at this point, indicating that the given file did not exist or was invalid in some way. 3. Now enter 'RentalFile0.txt'	1. The program should reprompt at this point, indicating that the given file did not exist or was invalid in some way. 2. The file should load normally without error.	**The program loads the files correctly and there are no errors.**
testNoRental	Prerequisites: 1. Test 1 passes. Steps:	The program should output:	**The program does indeed print that exact output. I also tested it with 7 and**

	1. From the main menu type 'optimize' to generate and optimal rental sequence.
	2. When prompted, enter '1', then '6'.
		Rental total is $225.00
		[
		   From day 1 to day 2: $85.00, Chevrolet Tahoe
		   From day 2 to day 4: $90.00, Jeep Cherokee
		   From day 4 to day 5: $50.00, Honda Accord
		
		 No rentals available on day 6
		]
			9, it seems to work for those values as well.

testValidRental	Prerequisites:
	
	1. Test 1 passes.
	Steps:
	
	1. From the main menu type 'optimize' to generate and optimal rental sequence.
	2. When prompted, enter '1', then '5'.
		The program should output the following:
		
		Rental total is $225.00
		[
		   From day 1 to day 2: $85.00, Chevrolet Tahoe
		   From day 2 to day 4: $90.00, Jeep Cherokee
		   From day 4 to day 5: $50.00, Honda Accord
		]
			The output is correct.

testBadQuery	Prerequisites: 1. Test 1 passes. Steps: 1. From the main menu, type 'query'. 2. When prompted for a day, enter '6'.	The program should output the following: Available Rentals for day 6 [No rentals available.]	**The output is correct.**
testQuery	Prerequisites: 2. Test 1 passes. Steps: 3. From the main menu, type 'query'. 4. When prompted for a day, enter '3'.	The program should output the following: Available Rentals for day 3 [$55 Kia Soul for day 3 to day 4	**The query works fine, and the output is correct.**

		$90 Ford Explorer for day 3 to day 5]	
testExit	Prerequisites: 1. Test 1 passes. Steps: 1. From the main menu of the program, the user should indicate that they want to exit by typing 'exit'.	The program should close with a normal exit condition and should not throw any errors.	**The program exits correctly and without errors.**