

VEHICLE RENTAL MANAGER PROPOSAL

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BLACK BOX TEST PLAN

For my black-box test cases, I will use the following test files named:

rental.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

one.txt

START_DAY,END_DAY,COST,MAKE,MODEL

1,2,85,Chevrolet,Tahoe

To start the program, run vrmGUI.java.

testLoadFile (ECP – loading file)	Preconditions: <ul style="list-style-type: none">· vrmGUI has been loaded successfully.· The file rental.txt exists Steps: <ol style="list-style-type: none">1. Click “Load from file”2. Browse to select the rental.txt file3. Click submit	The rental file loads successfully	The rental file loads successfully
testNotExistFile (DT-loading a not existing file)	Preconditions: <ul style="list-style-type: none">· vrmGUI has been loaded successfully.· The file none.txt doesn’t exist Steps: <ol style="list-style-type: none">1. Click “Load from file”2. Browse to select the none.txt file3. Click submit	The software reprompts the user to specify a new file.	The software reprompts the user to specify a new file.

testOptimaRentalSequence (ECP – output specific information)	Preconditions: · vrmGUI has been loaded successfully. · The files rental.txt have been uploaded Steps: 1. Click “Generate Optimal Rental Sequence”	The program would output: Organizational Profile 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 program would output: Organizational Profile 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]
testQueryForRentals (ECP – produce user report)	Preconditions: · vrmGUI has been loaded successfully. · The files rental.txt have been uploaded Steps: 1. Click “query for Rentals” 2. Input “day 5”	The program would output: No rentals available.	The program would output: No rentals available.
testMinimumInput (BVA - loading the file with minimum object)	Preconditions: · vrmGUI has been loaded successfully. Steps: 1. Click “Load from file” 2. Browse to select the one.txt file 3. Browse to select the aResume.txt file 4. Click submit	files are successful loaded	files are successful loaded