

BLACK BOX TEST PLAN

In this section, you must provide your black-box test plan with at least 5 black-box test cases.

Make sure:

- ✓ You describe how to setup the system to begin black-box testing
- ✓ Test IDs are uniquely identified and descriptive
- ✓ Test descriptions are fully specified with complete inputs, specific values, and preconditions
 - Be sure to provide SPECIFIC INPUTs and VALUEs so that your test cases are repeatable
- ✓ Expected results are fully specified with specific output values
- ✓ All tests cover scenarios based on the problem statement
- ✓ All tests cover unique scenarios for the system
- ✓ All strategies for black-box testing are demonstrated in the tests (ECP, BVA, DT)

For BlackBox testing, we will use sample.csv and refer to a file that does not exist in the directory called invalid.txt.

```
START_DAY,END_DAY,COST,HOST_FIRSTNAME,HOST_LASTNAME,HOST_EMAIL
```

```
1,2,85,Jason,King,jtking@email.com
```

```
1,4,255,Sarah,Heckman,sheckman@email.com
```

```
2,5,220,Jessica,Schmidt,jschmidt@email.com
```

```
4,5,50,Suzanne,Balik,sbalik@email.com
```

```
2,3,65,David,Sturgill,dsturgill@email.com
```

```
3,5,90,Lina,Battestilli,lbattestilli@email.com
```

```
3,4,55,Jamie,Jennings,jjennings@email.com
```

```
1,5,500,Margaret,Heil,mheil@email.com
```

```
1,3,180,Toniann,Marini,tmarini@email.com
```

```
2,4,90,Ignacio,Dominguez,idominguez@email.com
```

Test ID	Description	Expected Results	Actual Results
Test 1: InvalidFile (DT - loading invalid file) authors: Marwah Mahate (msmahate) Bilal Mohamad (bmohama)	Preconditions: <ul style="list-style-type: none"> The RentalManagerUI program is ran <p>**The message "Please enter the input file:" appears **</p> Steps: <ol style="list-style-type: none"> Enter: invalid.txt 	Pop-up displays message: "This is not a valid file. Try again" The "Please enter the input file:" message appears again, prompting the user to input a new file.	Pop-up displays message: "This is not a valid file. Try again" The "Please enter the input file:" message appears again, prompting the user to input a new file.
Test 2: LoadValidFile (ECP - loading file) authors: Marwah Mahate (msmahate) Bilal Mohamad (bmohama)	Preconditions: <ul style="list-style-type: none"> The RentalManagerUI program is ran sample.csv exists <p>**The message "Please enter the input file:" appears **</p> Steps: <ol style="list-style-type: none"> Enter: sample.csv Press the enter key 	Pop-up displays message: "Welcome to the Rental Manager! To select an option, type the first letter of any of the listed options: (C)heapest Rental Sequence (R)entals for a Specific Day (Q)uit"	Pop-up displays message: "Welcome to the Rental Manager! To select an option, type the first letter of any of the listed options: (C)heapest Rental Sequence (R)entals for a Specific Day (Q)uit"
Test 3: LargeStartDay (BVA - start day is out of allowed boundary range) authors:	Preconditions: <ul style="list-style-type: none"> Test 2 passed Steps: <ol style="list-style-type: none"> User chooses "C" option on UI. Inputs start day as 6 end day as 5 	RentalManagerUI displays: "The specified start day (6) is larger than the maximum day in the input data (5)."	RentalManagerUI displays: "The specified start day (6) is larger than the maximum day in the input data (5)."

Marwah Mahate (msmahate) Bilal Mohamad (bmohama)			
Test 4: AvailableRentals (ECP - load available rentals from day 1) authors: Marwah Mahate (msmahate) Bilal Mohamad (bmohama)	Preconditions: <ul style="list-style-type: none"> Test 2 passed Steps: <ol style="list-style-type: none"> User chooses "R" option on UI. Inputs day as 1 	RentalManagerUI displays: Available rentals for day 1 [\$85.00 rental from day 1 to day 2 hosted by Jason King (jtcking@email.com) \$180.00 rental from day 1 to day 3 hosted by Toniann Marini (tmarini@email.com) \$255.00 rental from day 1 to day 4 hosted by Sarah Heckman (sheckman@email.com) \$500.00 rental from day 1 to day 5 hosted by Margaret Heil (mheil@email.com)]	RentalManagerUI displays: Available rentals for day 1 [\$85.00 rental from day 1 to day 2 hosted by Jason King (jtcking@email.com) \$180.00 rental from day 1 to day 3 hosted by Toniann Marini (tmarini@email.com) \$255.00 rental from day 1 to day 4 hosted by Sarah Heckman (sheckman@email.com) \$500.00 rental from day 1 to day 5 hosted by Margaret Heil (mheil@email.com)]
Test 5: CheapRentalsSequence	Preconditions: <ul style="list-style-type: none"> Test 2 passed Steps: <ol style="list-style-type: none"> User chooses "C" option on UI. Inputs start day as 1 end day as 5 	RentalManagerUI displays: Rental Total is \$225.00 [\$85.00 rental from day	RentalManagerUI displays: Rental Total is \$225.00 [\$85.00 rental from day

(ECP - loads cheap rental sequences) authors: Marwah Mahate (msmahate) Bilal Mohamad (bmohama)		1 to day 2 hosted by Jason King (jtking@email.c om) \$90.00 rental from day 2 to day 4 hosted by Ignacio Dominguez (idominguez@ema il.com) \$50.00 rental from day 4 to day 5 hosted by Suzanne Balik (sbalik@email.c om)]	1 to day 2 hosted by Jason King (jtking@email.c om) \$90.00 rental from day 2 to day 4 hosted by Ignacio Dominguez (idominguez@ema il.com) \$50.00 rental from day 4 to day 5 hosted by Suzanne Balik (sbalik@email.c om)]
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