Black Box Test Plan

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

airline_file.txt

```
DESCRIPTION,IATA_CODE,CALLSIGN,COUNTRY
United Airlines,UA,UNITED,United States
Delta Air Lines,DL,DELTA,United States
JetBlue Airways,B6,JETBLUE,United States
```

flight_file.txt

```
YEAR,MONTH,DAY,DAY_OF_WEEK,AIRLINE,FLIGHT_NUMBER,ORIGIN_AIRPORT,DESTINATION_A
IRPORT,SCHEDULED_DEPARTURE,DEPARTURE_TIME,DISTANCE,SCHEDULED_ARRIVAL,ARRIVAL_
DELAY
2015,12,20,7,UA,346,ORD,MIA,0730,0730,1197,1139,-20
2015,7,26,7,DL,1233,ATL,ORF,1030,1026,516,1209,-20
2015,1,27,2,B6,1316,FLL,JAX,1855,1854,319,2013,2
```

cardholder_file.txt

```
FIRST,LAST,DATE,FLIGHT,ORIGIN,DESTINATION
Erick,Mcfarland,12/20/2015,UA346,ORD,MIA
Kassandra,Stiltner,12/20/2015,UA346,ORD,MIA
Kassandra,Stiltner,12/20/2015,UA346,ORD,MIA
Erick,Mcfarland,7/26/2015,DL1233,ATL,ORF
Kassandra,Stiltner,12/20/2015,UA346,ORD,MIA
Kassandra,Stiltner,12/20/2015,UA346,ORD,MIA
Erick,Mcfarland,1/27/2015,B61316,FLL,JAX
Kassandra,Stiltner,12/20/2015,UA346,ORD,MIA
Erick,Mcfarland,12/20/2015,UA346,ORD,MIA
Erick,Mcfarland,12/20/2015,UA346,ORD,MIA
```

To start the program, run MileageCalculatorUI.java.

Test ID	Description	Expected Results	Actual Results
Test-1 **testInvalidFile** (DT-trying to add an invalid file)	**Preconditions:** ● MileageManagerUI. java has loaded successfully ● The file nonexistent_file.txt does not exist **Steps:** 1. Specify the file nonexistent_file.txt for the airline	The software prompts the user to enter three files: airline information, flight information, and cardholder information. The software re-prompts the user to specify a new file.	The software prompts the user to enter three files: airline information, flight information, and cardholder information. The software re-prompts the user to specify a new file.

	information input file.		

Test-2 testQueryCardholderMileage
 	
 (ECP-finding data for name in file)
	Preconditions: - MileageManagerUI.java has loaded successfully - The files airline_info.txt, flight_info.txt, and cardholder_info.txt exist and loaded successfully. **Steps:** - Specify the files airline_info.txt, flight_info.txt, and cardholder_info.txt when prompted. - Choose to query cardholders to view detailed mileage information. - Enter the name Eric Mcfarland.	It displays:
		Erick Mcfarland earned
		   3591 miles with United Airlines (UA)
		   516 miles with Delta Air Lines (DL)
		   319 miles with JetBlue Airways (B6)
			It displays:
			Erick Mcfarland earned
			   3591 miles with United Airlines (UA)
			   516 miles with Delta Air Lines (DL)
			   319 miles with JetBlue Airways (B6)

Test-3 testCardholerNoMiles (BVA-search name not in files)	**Preconditions:** - MileageManagerUI.java has loaded successfully - The files airline_info.txt, flight_info.txt, and cardholder_info.txt exist and load successfully. **Steps:** - Specify the files airline_info.txt, flight_info.txt, and cardholder_info.txt when prompted. - Choose to query cardholders to	The system indicates that this user has earned no miles.	The system indicates that this user has earned no miles.

	view detailed mileage information. 3. Enter the name Kristy Reed.		
Test-4 testProduceMileage Report (ECP-producing the mileage report)	**Preconditions:** - MileageManagerUI. java has loaded successfully - The files airline_info.txt, flight_info.txt, and cardholder_info.txt exist and load successfully. **Steps:** 1. Specify the files airline_info.txt, flight_info.txt, and cardholder_info.txt when prompted. 2. Choose to produce a mileage report for all cardholders.	It displays: Erick Mcfarland earned 3591 miles with United Airlines (UA) 516 miles with Delta Air Lines (DL) 319 miles with JetBlue Airways (B6) Kassandra Stiltner earned 5985 miles with United Airlines (UA)	It displays: Erick Mcfarland earned 3591 miles with United Airlines (UA) 516 miles with Delta Air Lines (DL) 319 miles with JetBlue Airways (B6) Kassandra Stiltner earned 5985 miles with United Airlines (UA)
Test-5 testQuitAirlineMilea geCalculator (ECP-test quitting the system)	**Preconditions:** - MileageManagerUI. java has loaded successfully - The files airline_info.txt, flight_info.txt, and cardholder_info.txt exist and load successfully. **Steps:** 1. Specify the files airline_info.txt, flight_info.txt, and cardholder_info.txt when prompted. 2. Select the option to quit the software.	The software closes, and the input files remain unedited.	The software closes, and the input files remain unedited.