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
    - o 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)
- ✓ Indicate the strategy used for each test case

I used a file named "sample2.csv" for my black box tests.

The content of the files:

ATTRACTION_ONE	ATTRACTION_TWO	LENGTH_OF_TRAIL_IN_FEET
Airlie Gardens	Beautiful Falls	5808
Airlie Gardens	Dog Park	6336
Beautiful Falls	Coffee Shop	3168
Beautiful Falls	Dog Park	4224
Beautiful Falls	Elephant Sculpture	5280
Coffee Shop	Dog Park	2640
Coffee Shop	Elephant Sculpture	3696
Coffee Shop	Chicken Coop	3696
Airlie Gardens	Chicken Coop	5961
Beautiful Falls	Chicken Coop	3168

Test ID	Description	Expected Results	Actual Results
Test 1 Strategy: ECP testEmptyFile	Preconditions: None Steps: • Run CommandLineUI • Enter "empty.csv" for filename *Check Results*	The error message "The provided input file does not contain any trail data." is displayed	The error message "The provided input file does not contain any trail data." is displayed

Test 2
 	
Strategy: ECP
 	
testValidGenerateRestroom
	Preconditions: CommandLineUI is run and the file "sample2.csv" is loaded
	
	Steps:
	• Enter **2** to generate restroom location recommendations
	• Enter **5300** for trail length
	• Enter name of output file
	
	Check Results
		The output file contains
		
		`Attractions with adjacent trails longer than 5300 feet [`
		
		`    Airlie Gardens`
		
		`]`
			The output file contains
			
			`Attractions with adjacent trails longer than 5300 feet [`
			
			`    Airlie Gardens`
			
			`]`

Test 3 Strategy: BVA testInvalidPrice	Preconditions: CommandLineUI is run and the file "sample2.csv" is loaded Steps: • Enter **1** to generate least costly trails report • Enter **0.00** for cost per linear foot *Check Results*	The UI displays an error message: "Construction cost per linear foot must be > $0.00."	The UI displays an error message: "Construction cost per linear foot must be > $0.00."
Test 4 Strategy: ECP testValidPrice	Preconditions: CommandLineUI is run and the file "sample2.csv" is loaded Steps: • Enter **1** to generate least costly trails report • Enter **0.50** for cost per linear foot	The output file contains Minimum Trails for $9240.00 ($0.50 per linear foot) [	The output file contains Minimum Trails for $9240.00 ($0.50 per linear foot) [

	• Enter name of output file
	
	Check Results
		from Coffee Shop to Dog Park (2640 feet for $1320.00)
		  from Beautiful Falls to Coffee Shop (3168 feet for $1584.00)
		  from Beautiful Falls to Chicken Coop (3168 feet for $1584.00)
		  from Coffee Shop to Elephant Sculpture (3696 feet for $1848.00)
		  from Airlie Gardens to Beautiful Falls (5808 feet for $2904.00)
		]
			from Coffee Shop to Dog Park (2640 feet for $1320.00)
			  from Beautiful Falls to Coffee Shop (3168 feet for $1584.00)
			  from Beautiful Falls to Chicken Coop (3168 feet for $1584.00)
			  from Coffee Shop to Elephant Sculpture (3696 feet for $1848.00)
			  from Airlie Gardens to Beautiful Falls (5808 feet for $2904.00)
			]

Test 5 Strategy: DT TestInvalidTrailLength	Preconditions: CommandLineUI is run and the file "sample2.csv" is loaded Steps: • Enter 2 to generate restroom location recommendations • Enter "xx" for trail length *Check Results*	The UI displays an error message: Invalid input, please try again Trail Length must be > 0 feet.	The UI displays an error message: Invalid input, please try again Trail Length must be > 0 feet.