

Equivalence partitioning for Input combination <i>The input combination is the user input which will determine the unique combination</i> Given CSV1 and CSV2 has headers: <i>"Customer ID#", "Account No.", "Currency", "Type", "Balance"</i>			
Validity	Case	Example Input	Example output
Invalid	Empty input	" "	Error: No input combination
Valid	Set of one or more of the column headers for the given CSV files	"Customer ID#","Account No.,""Type"	Write Success: Please check output.csv
Invalid	Additional parameter not within CSV1 headers	"Location"	Error: Input combination parameter invalid: not a header column
Invalid	Number of parameters more than the number of column headers of the given CSV files	"Customer ID#","Account No.,""Currency","Type","Balance", "Location"	Error: Input combination has more parameters than number of header columns
Invalid	Repeated parameter	"Customer ID#","Customer ID#"	Error: Repeated input

Boundary value analysis for Number of Input combination <i>Min: Minimum number of inputs = 0</i> <i>Max: Maximum number of inputs = n, where n is number of header columns in CSV</i>		
Boundary Invalid (Min -1)	Middle Valid (Min, +Min, Max, -Max)	Boundary Invalid (+Max)
" "	"Customer ID#"	"Customer ID#","Account No.,""Currency","Type","Balance", "Location"

Equivalence partitioning for CSV file contents <i>Below are the partitions for the contents of the CSV files to be checked</i>			
Validity	Case	Example Input	Example output
Invalid	Empty file content	" "	Error: CSV file is empty
Invalid	File only contains a single line which is the header columns	"Customer ID#","Balance"	Error: Invalid CSV file format
Invalid	File contains no header columns	"ID1", "1234" "ID2", "45676" "ID3", "23919" ...	Error: Invalid CSV file format
Valid	File begins with one row of header columns, and subsequently one CSV entry with same number of columns	"Customer ID#", "Balance" "ID1", "1234"	Error: Input combination parameter invalid: not a header column
Valid	File begins with one row of header columns, and any number of CSV entries	"Customer ID#", "Balance" "ID1", "1234" "ID2", "45676" "ID3", "23919" ...	Error: Input combination has more parameters than number of header columns
Invalid	File contains an empty CSV entry	"Customer ID#", "Balance" "ID1", "1234" " "ID3", "23919" ...	Error: Line is not a valid CSV Entry
Invalid	Number of columns does not correspond with number of headers (+/-)	"Customer ID#", "Balance" "ID1", "1234" "ID2", "45676", "SGD" "ID3" ...	Error: Line is not a valid CSV Entry

Invalid	Headers of both CSV files do not correspond (includes different number of headers)	CSV1: "Customer ID#", "Balance" CSV2: "Customer ID#", "Type"	Error: CSV headers do not correspond
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Boundary value analysis for Number of Lines in CSV <i>Min: Minimum number of lines = 2</i>				
Invalid (0)	Boundary Invalid (-Min)	Valid (Min)	Middle Valid (+Min)	Boundary
" "	"h1", "h2", "h3"	"h1", "h2", "h3" "a1", "a2", "a3"	"h1", "h2", "h3" "a1", "a2", "a3" "b1", "b2", "b3" "c1", "c2", "c3" ...	"h1", "h2", "h3" "a1", "a2", "a3" "b1", "b2", "b3", "b4" "c1", "c2" ...