| **Equivalence partitioning for Input combination**  *The input combination is the user input which will determine the unique combination*  ***Given CSV1 and CSV2 has headers:***  *"Customer ID#", "Account No.", "Currency", "Type", "Balance"* | | | |
| --- | --- | --- | --- |
| **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**  *Min: Minimum number of inputs = 0*  *Max: Maximum number of inputs = n, where n is number of header columns in CSV* | | |
| --- | --- | --- |
| ***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 to be checked**  *The input combination is the user input which will determine the unique combination* | | | |
| --- | --- | --- | --- |
| **Validity** | Case | Example Input | Example output |
| Invalid | Empty input | “ ” | Error: CSV file is empty |
| Invalid | Set of one or more of the column headers for the given CSV files | "Customer ID#","Balance” | Error: Invalid CSV file |
| Valid | One row of header columns, and one CSV entry with same number of columns | “Customer ID#”, “Balance”  “ID1”, “1234” | Error: Input combination parameter invalid: not a header column |
| Valid | 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 | Empty CSV entry | “Customer ID#”, “Balance”  “ID1”, “1234”  “ ”  “ID3”, “23919”  … | Error: Invalid CSV Entry |
| Invalid | Number of columns does not correspond with number of headers (+/-) | “Customer ID#”, “Balance”  “ID1”, “1234”  “ID2”, “45676”, “SGD”  “ID3”  … | Error: Invalid 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 |

| **Boundary value analysis for Number of Lines in CSV**  *Min: Minimum number of lines = 2* | | | | |
| --- | --- | --- | --- | --- |
| 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”  … |