CTTJFrame

Import Text File

Read text in

Pass to CTTLogic.AllPairs(String), receive back ArrayList<TestCaseObject> for test output

Print test output

Import Excel File

Read From Text Box

Radial Options

* All Pairs (set n to 2)
* All N-th
  + Text Field for N value
* Complete
* Text output
* Excel output

CTTLogic

Creation()

AllNth(String, Int nthValue)

Split String Input at “\n” – receive Array [Strings] (if array.length <= 1 return error to user)

Iterate over Array [Strings] filling Array[CTTVariableObject(String)] cttVariableObjects

sortArrray(cttVariableObjects)

ArrayList<TestCaseObject(cttVariableObjects .length)> testCasesFullList

For(int x = 0; x < cttVariableObjects.length; x++)

{

testCasesFullList.get(0).SetValue(x , cttVariableObjects.get(x).GetName())

}

Int caseLocatoin, matchesRequired;

ArrayList<ArrayList<String>> matchesNeeded;

Int[] matchLocations;

For(int variableLocation = nthValue -1; variableLocation < cttVariableObjects.length; variableLocation ++)

{

For(int valueLocation = 0; valueLocation < cttVariableObjects[variableLocation].GetNumberOfValues; valueLocation ++)

{

fillMatchesNeeded(variableLocation);

matchesRequired = variableLocation;

caseLocatoin = 0;

matchLocations = new Int[

Check for matches and fill in testCasesFullList

While(matchesNeeded ! empty)

{

If(

}

}

}

Complete(String)

sortArray(Array needSorting)

sort by GetNumberofValues – largest first

fillMatchesNeeded(int x)

matchesNeeded = new ArrayList<ArrayList<String>>();

for(int z = 0; z < x; z++)

{

For(int w = 0; w < cttVariableObjects[z].GetNumberOfValues; w ++)

{

matchesNeeded[z].add(cttVariableObjects[z].GetValue(w);

}

}

CTTVariableObject

Creation(String input)

Split input at “:” – receive array [Strings]

String variableName = array[0]

Split array[1] at “,” – receive array [strings] = Array variableValues

Iterate over variableValues to remove extra “ “s

GetName()

Return variableName

GetNumberOfValues()

Return variableValues.length()

GetValue(Int location)

Return varaibleValues[location]

TestCaseObject

Creation(Int length)

Fill String[length] testCase with “ “

SetValue(Int location, String value)

testCase[location] = value;

GetValue(Int location)

Return testCase [location]