Module 8 – Exercise 1- Merge Pseudocode – Daniel Berg

START

// Declare files

DECLARE InputFileGeraldine AS File

DECLARE InputFileGerard AS File

DECLARE OutputFile AS File

DECLARE MergedRecords AS Dictionary

// Open input files

OPEN InputFileGeraldine AS "Geraldines Businesses.csv"

OPEN InputFileGerard AS "Gerards Businesses.csv"

// Read Geraldine's records

WHILE NOT EndOfFile(InputFileGeraldine)

RECORD = ReadRecord(InputFileGeraldine)

CUSTOMER\_NUMBER = RECORD.CustomerNumber

// Check for duplicates

IF CUSTOMER\_NUMBER NOT IN MergedRecords THEN

MergedRecords[CUSTOMER\_NUMBER] = RECORD

END WHILE

// Read Gerard's records

WHILE NOT EndOfFile(InputFileGerard)

RECORD = ReadRecord(InputFileGerard)

CUSTOMER\_NUMBER = RECORD.CustomerNumber

// Check for duplicates

IF CUSTOMER\_NUMBER NOT IN MergedRecords THEN

MergedRecords[CUSTOMER\_NUMBER] = RECORD

END WHILE

// Open output file for writing

OPEN OutputFile AS "Merged Businesses.csv"

// Write merged records to output file

FOR EACH CUSTOMER\_NUMBER IN MergedRecords

WriteRecord(OutputFile, MergedRecords[CUSTOMER\_NUMBER])

END FOR

// Close all files

CLOSE InputFileGeraldine

CLOSE InputFileGerard

CLOSE OutputFile

END