START

LOOP until user chooses to exit:

DISPLAY menu options:

1. Spellcheck a file

2. Encrypt a file

3. Decrypt a file

4. Exit

GET user choice

IF choice == 1 THEN

PROMPT user to select file to spellcheck

SET dictionary path to fixed "words.txt" location

LOAD dictionary into a set

OPEN file to spellcheck

FOR each word in file:

CLEAN word (remove punctuation, lowercase)

IF word not in dictionary:

PRINT "Unknown word"

IF no errors:

PRINT "No spelling errors found."

ELSE IF choice == 2 OR 3 THEN

PROMPT user to select file to process

PROMPT user for name of output file

GENERATE cipher alphabet from keyword "FEATHER"

BUILD map from normal alphabet to cipher (or reverse if decrypting)

FOR each character in file:

IF alphabetic:

SUBSTITUTE using cipher map (preserving case)

ELSE:

COPY character as is

SAVE result to output file

PRINT "Encryption/Decryption complete"

ELSE IF choice == 4 THEN

EXIT program

ELSE

PRINT "Invalid selection"

END LOOP

END