Lab 5: Advanced Search Designed Pseudocode Sadie Parker

advanced\_search(words)

num\_low ← index one

num\_high ← index last

WHILE num\_low <= num\_high:

middle ← average of num\_low and num\_high

IF middle = mid:

return true

ELIF middle > word:

set num\_high = middle + 1

ELIF middle < word:

set num\_low = middle + 1

RETURN false

PROMPT for file

READ the file in JSON format

PROMPT the user for a word to search for ← advanced\_search(words)

IF advanced\_search = true:

DISPLAY message indicating the word exists

ELIF advanced\_search = false:

DISPLAY message indicating word does not exist

END