CprE 186: Wordsearch

Names:	Sec:	Demo:
You work for the local newspaper. The paper publishes a capaper has purchased a daily puzzle, but the rates have incommended a program that generates word search puzzles. The 50), one per line. Each word will be no longer than 12 characteristics.	reased and you have be editor will give you a	peen assigned the job of
Your program should prompt the user for this file's name be less than 61). Your program will read the words from the then fill the empty puzzle with random characters. Words up/down, horizontal, or diagonal directions. They may ove the same. Your program should print the solution (a puzzle then the puzzle with the added characters. It is possible the word, try no more than 100 times to place a word and the	ne file, place them rand can be placed in rever erlap as long as they cr e without the random at the program might	domly in the puzzle, and see or forward order in ross where characters are ly added characters) and
Write a modular program to do this. You will be required t submit the C file on Blackboard.	o demo the working	program to a TA and
Include sample output for a 40 by 40 puzzle with the follo	wing words:	
SQUEAMISH		
OSSIFRAGE	Hint: To get random i	nteger values,
ARRAY	use C's rand() function #include <stdlib.h></stdlib.h>	ı. To do so,
STRING	rand() will return an in	nteger. You
COMPILE	can choose a random folllows:	character as
FROZEN	c = 'A' + (rand() % 26);	
SEGMENTATION	To get a random integ	
FAULT	0 to k, you can use the (rand() % (k+1))	expression
INTEGER		
FLOAT		
DOUBLE		
DOCTOR		
DANIELS		