

# Career Center Homework 2:

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Jtd431

*“On my honor, as a Mississippi State University student, I  
have neither  
given nor received unauthorized assistance on this academic  
work.”*

CSE 1284 Introduction to Computer Programming

Lecture Section Time: MWF 10am

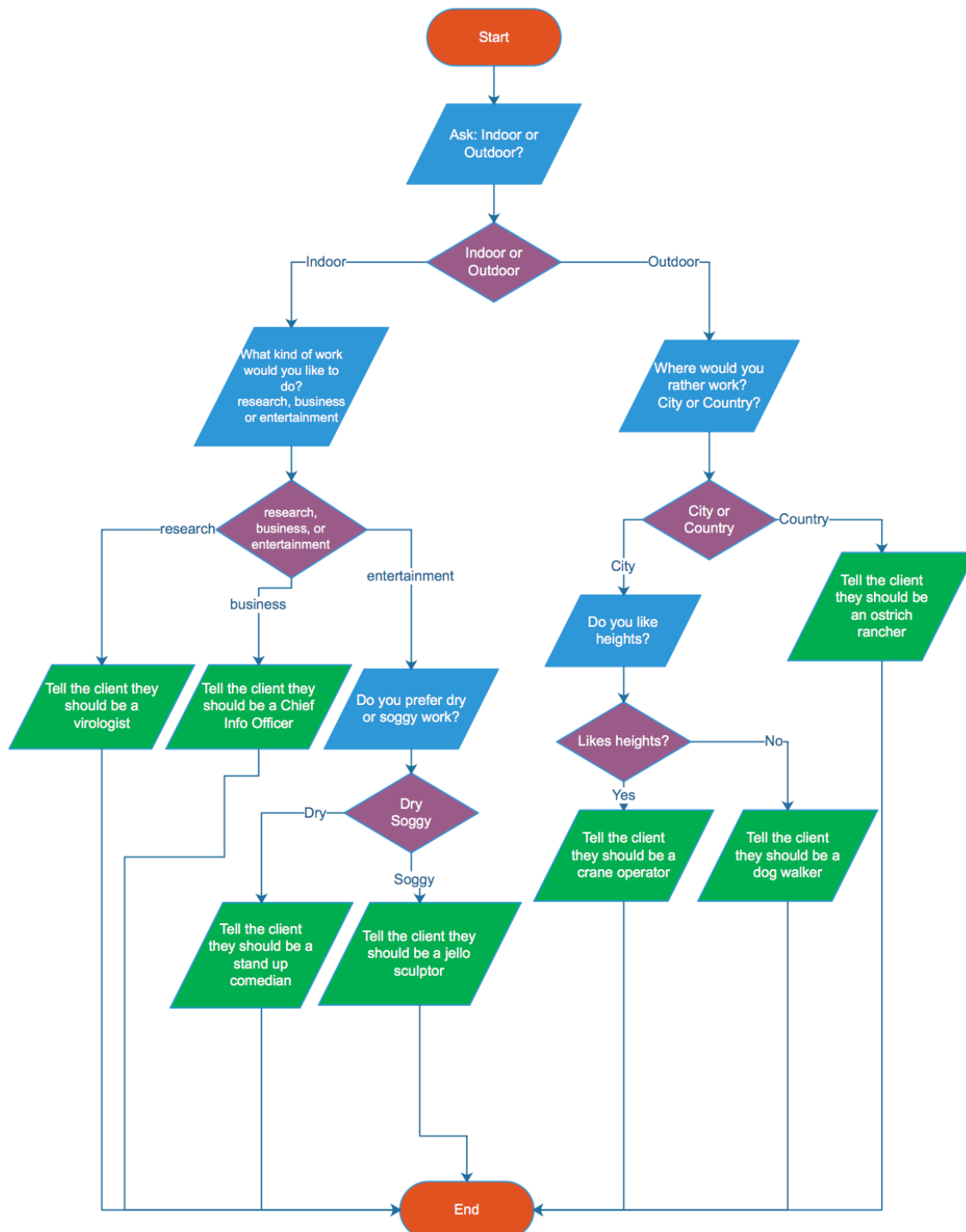
Instructor: Monika Jankunk-Kelly

**Problem statement:**

The program needs to help people coming into the career center find the right job for them.

**Design:**

The program evaluates user input as shown in the diagram below to find the right job for our user/ client.



Test Table:

Input ( answer chain )	Expected Output	Actual Output	Test Passed?
yes, a	Virologist	Virologist	y
yes, b	Chief info officer	Chief info officer	y
yes, c, yes	Stand up comedian	Stand up comedian	y
yes, c, no	Jello sculptor	Jello sculptor	y
no, a, yes	Dog walker	Dog walker	y
no, a, no	Crane Operator	Crane Operator	y
no, b	Ostrich rancher	Ostrich rancher	y

## Execution screenshots:

### Invalid Input

```
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) banana
Please enter a valid input.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) y
What kind of work do you want to do?
a) research
b) business
c) entertainment
(a, b, c): banana
Invalid input.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) yes
What kind of work do you want to do?
a) research
b) business
c) entertainment
(a, b, c): c
Is being dry at work a requirement for you? (yes, no) banana
Invalid input.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) no
Would you rather work in the country or the city?
a) city
b) country
(a, b) banana
Invalid input.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) no
Would you rather work in the country or the city?
a) city
b) country
(a, b) a
Do you dislike heights? (yes, no) banana
Invalid input.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$
```

### Indoors

### Outdoors

```
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) no
Would you rather work in the country or the city?
a) city
b) country
(a, b) a
Do you dislike heights? (yes, no) yes
You should be a dog walker.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) no
Would you rather work in the country or the city?
a) city
b) country
(a, b) a
Do you dislike heights? (yes, no) no
You should be a crane operator.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) no
Would you rather work in the country or the city?
a) city
b) country
(a, b) b
You should be an ostrich rancher.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$
```

```
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) yes
What kind of work do you want to do?
a) research
b) business
c) entertainment
(a, b, c): a
You should be a virologist.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) yes
What kind of work do you want to do?
a) research
b) business
c) entertainment
(a, b, c): b
You should be a chief info officer.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) y
What kind of work do you want to do?
a) research
b) business
c) entertainment
(a, b, c): c
Is being dry at work a requirement for you? (yes, no) yes
You should be a stand up comedian.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$ python3 CareerCenter.py
Would you like to work indoors? (yes, no) yes
What kind of work do you want to do?
a) research
b) business
c) entertainment
(a, b, c): c
Is being dry at work a requirement for you? (yes, no) n
You should be a jello sculptor.
Jacksons-MacBook-Pro:Homework 2 - Career Center jacksondegruiter$
```

## Questions:

### o Question 1:

Suppose your program tells a client they could be a crane operator. Look at your code. Write down all the Boolean expressions the program had to evaluate to arrive at that answer. Put each Boolean expression on a separate line. Number them in the order they were evaluated.

1) Works outdoors == True

2 ) Works in city == True

3 ) Likes heights == True

### o Question 2:

What was most challenging about this assignment? Could be design, implementation, some bug, testing, time management, looking something up, etc. How did you overcome the challenge? Be brief but specific.

The most difficult part of this assignment was dealing with invalid input. I overcame this by adding several else statements that only trigger when the user gives invalid input.

### o Question 3:

What if the user types an invalid answer to a question? For bonus points, you could print an error message and exit. That's better than crashing but still not ideal. What do you think a good, user friendly program should do when a user gives a bad answer to a question? Think of something other than just printing an error and exiting.

A good program would ask the user again. This could be done by only exiting a while loop when input is valid.