

## ICS 31 Assignment 4 Rubric

Total Points: 10

15% Deduction for late submission (1 hour grace period)

10% Deduction for easily correctable bugs, typos per each item

5% Deduction for not calling the StartDungeon()

Docstring and Comments 1pt

each function should have a one-line docstring description

a comment above the function definition describing the inputs and outputs

Function 1pt

1 pt: Defined StartDungeon() or other functions for loading a file, etc

0 pt: Did not define a function at all

Named tuple 1pt

1pt: Correct usage of namedtuple

0.5pt : Defined namedtuple, but used it like a tuple

0pt : Did not define and use namedtuple

Dictionary 1pt

1pt : Dictionary with valid keys and values

0.5pt: Defined dictionary, but used it incorrectly or assumed max number of rooms

0pt: Did not define and use dictionary

Loop 1pt

1pt: Infinite loop, break when quit

0.5pt : Assumed maximum number of input commands

0pt : No loop or it's not working (because of wrong syntax, etc)

Loaddungeon 1pt

1pt: Processed white spaces between fields correctly **[try d1.txt]**

0.5pt: Did not process more than 1 white spaces between fields **[try d2.txt]**

0 pt: cannot load file

Reading room ID 1pt

1pt: Read ID of each room from file correctly **[try d1.txt]**

ID of the initial room, ID of the rooms shown in the fixed order N/S/E/W

0pt: Assumed additional structures or didn't follow the correct order.

ID of the initial room is not 1 and ID of the rooms are not a sequence of numbers 1,2,3,... One should extract the first number on the first line to get the ID of the initial room. The last 4 numbers should be recognized as IDs of the room in the the order of N/S/E/W.

Processing directions 2pt (4 \* 0.5pt = 2pt)

0.5pt: Processed a direction correctly (north, south, east, west)  
(input a direction, print a message, update room ID, etc)

0 pt: Failed to process a direction

Display room description 1pt

1pt: Displayed room descriptions and prompted sign (\$) correctly

0.5pt: 1 error from the list below

Didn't remove # character

Missing descriptions for initial room

Missing 'you can't go there'

Printed a description twice or more

0pt: 2 or more errors listed above

Sample text files

d1.txt include more than one white spaces between fields

d2.txt with a simple structure

d1.txt

```
999  #init room 999.#  111  -1  222  333
111  #room 1.#  444  999  -1  -1
222  #room 2.#  111  -1  -1  999
333  #room 3.#  111  -1  999  -1
444  #room 4.#  444  111  222  333
```

d2.txt

```
1 #init room 1.# 2 -1 3 4
2 #room 2.# 5 1 -1 -1
3 #room 3.# 2 -1 -1 1
4 #room 4.# 2 -1 1 -1
5 #room 5.# 5 2 3 4
```