End of Week 2 Quiz (complete project and peer review first)

9 questions

1. What is the running time of the breadth first search (BFS) algorithm in the worst case?

   - ○ $O(V^2)$
   - ○ $O(V)$
   - ◉ $O(E+V)$

2. Which of the following is true about code refactoring? Select all that apply.

   - ☑ It is common during code development
   - ☐ It should be avoided unless absolutely necessary
   - ☑ It refers to the process of changing the structure of the code without changing its functionality
   - ☐ It generally changes the code's public interface.

3. Which of the following is/are true about Depth First Search (DFS)?

   - ☐ In the worst case, depth first search is more efficient than breadth first search
   - ☐ DFS usually finds a shorter path (in terms of number of nodes) than BFS
   - ☑ DFS uses a Stack to hold the list of unexplored nodes.
   - ☑ DFS has a straightforward recursive solution.
   - ☑ DFS will always find a path from Start to Goal if there is one.

4. Which of the following is the better representation for the MapGraph graph that you implemented in the programming project this week?

   - ◉ Adjacency List
   - ○ Adjacency Matrix

5. How many hours did you spend on the programming assignment this week?

   - ○ Less than 1 hour
   - ○ 1-2 hours
   - ○ 2-3 hours
   - ◉ 3-4 hours
   - ○ 4-5 hours
   - ○ More than 5 hours

6. How difficult did you find the programming assignment?

   - ○ Very easy
   - ○ Pretty easy
   - ◉ Neither easy nor difficult
   - ○ Pretty difficult
   - ○ Very difficult

7. How much did you enjoy the programming assignment?

- ○ I really enjoyed it!
- ◉ I enjoyed it
- ○ I'm neutral about my enjoyment
- ○ I did not enjoy it
- ○ I really did not enjoy it

8. How difficult did you find it to provide a review of your peers' designs in the peer review assignment?

- ○ Very easy
- ○ Pretty easy
- ◉ Neither easy nor difficult
- ○ Pretty difficult
- ○ Very difficult

9. How much time did completing one peer review take, on average?

- ○ Less than 15 minutes
- ○ 15-30 minutes
- ◉ 30-60 minutes
- ○ More than 60 minutes

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