

**Submitted To:**

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**Object Oriented Programming**

(CS-116)

Graded Assignment 1: Class Diagrams

COMPUTER AND INFORMATION SYSTEM ENGINEERING

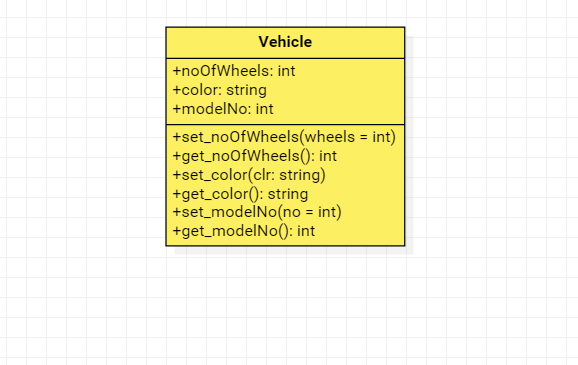
NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY

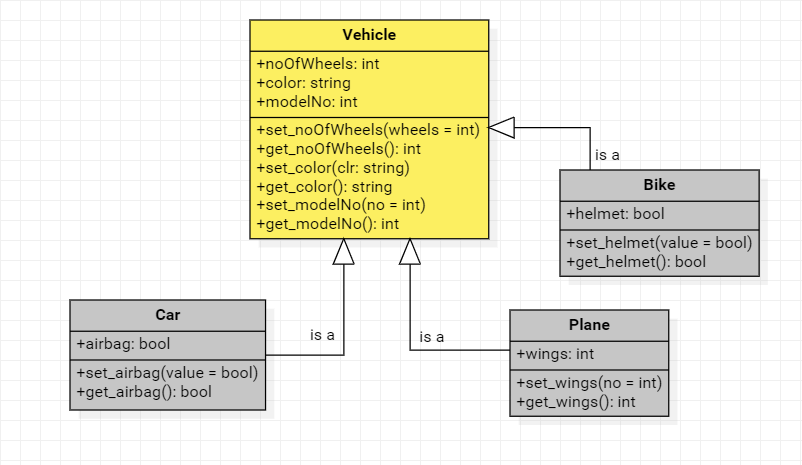
**Colors for Association Types in Class Diagram:**

1. #FCEF61 (For Main Class)
2. ⁠#A3E0FF (For Aggregation)
3. ⁠#A3FFA3 (For Composition)
4. ⁠#C6C6C6 (For Generalization)
5. ⁠#FF8282 (For Association)
6. #79FFE8 (For Multiple Associations on a single class)

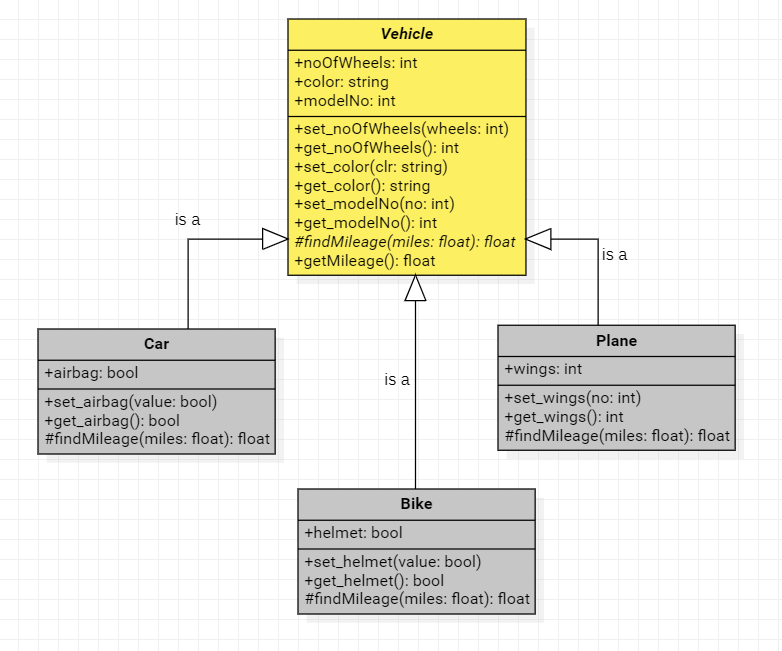
**Class Diagram Representation of Problem Scenarios:**

Question 1:

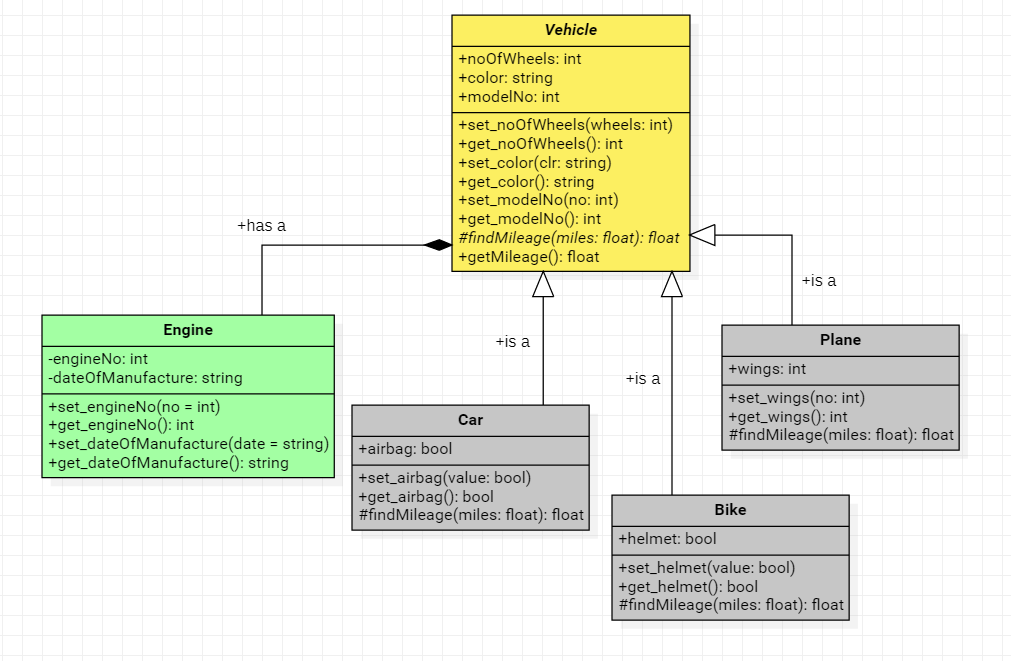
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Question 2:

Question 3:

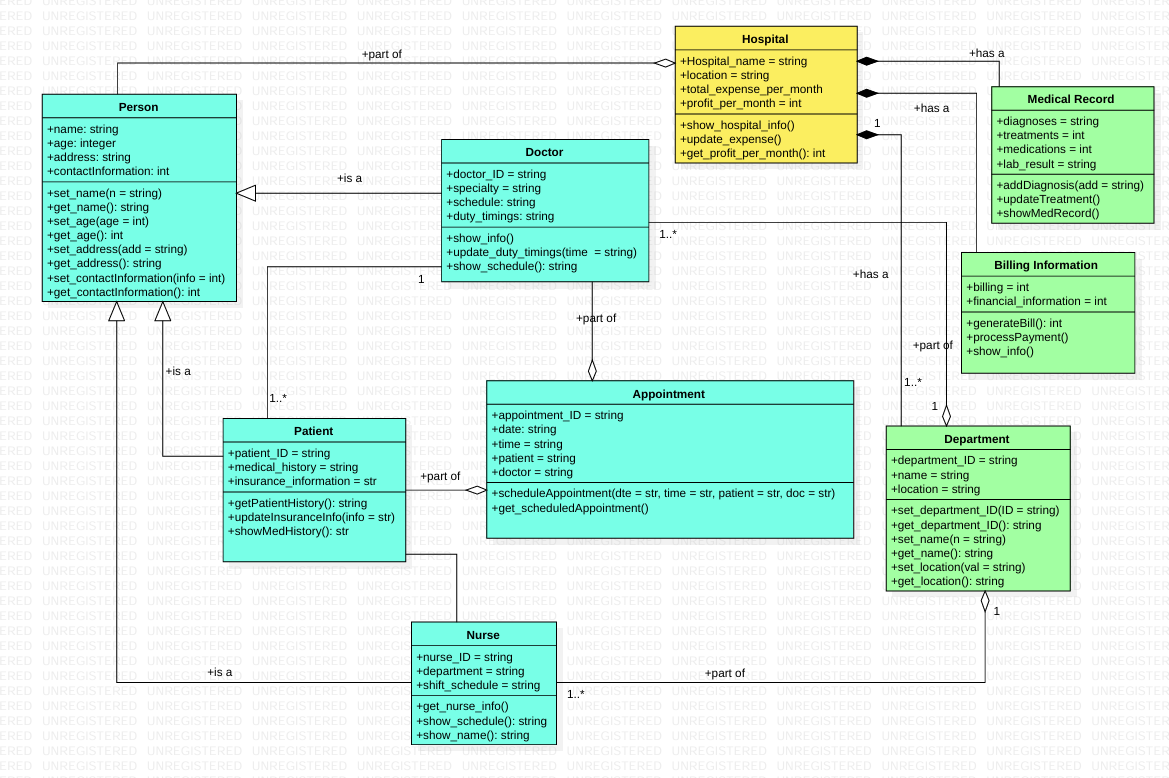


Question 4:



Question 5:

Part (a):



Part (b):

