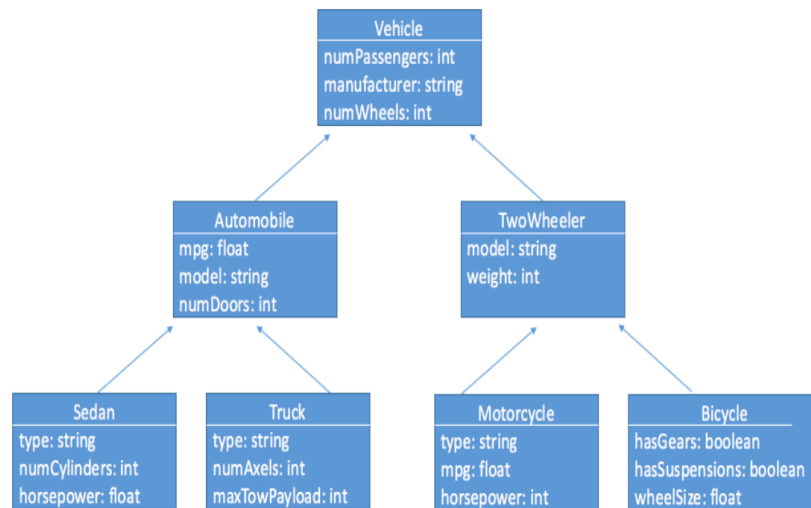


Minnesota State University, Mankato
Exam 3
Total Exam Points: 100 points

Full Name: _____

1. (50 pts) Implement a Vehicle class hierarchy according to the figure below.



2. (25 pts) Give a brief explanation of what you can figure out by looking at the diagram in figure above.
3. (25 pts) Design a Customer class to handle a customer loyalty marketing campaign. After accumulating \$100 in purchases, the customer receives a \$10 discount on the next purchase.

Provide methods:

- def makePurchase(self, amount)
- def discountReached(self)

Provide a test program and test a scenario in which a customer has earned a discount and then made over \$90, but less than \$100 in purchases. This should not result in a second discount. Then add another purchase that results in the second discount.