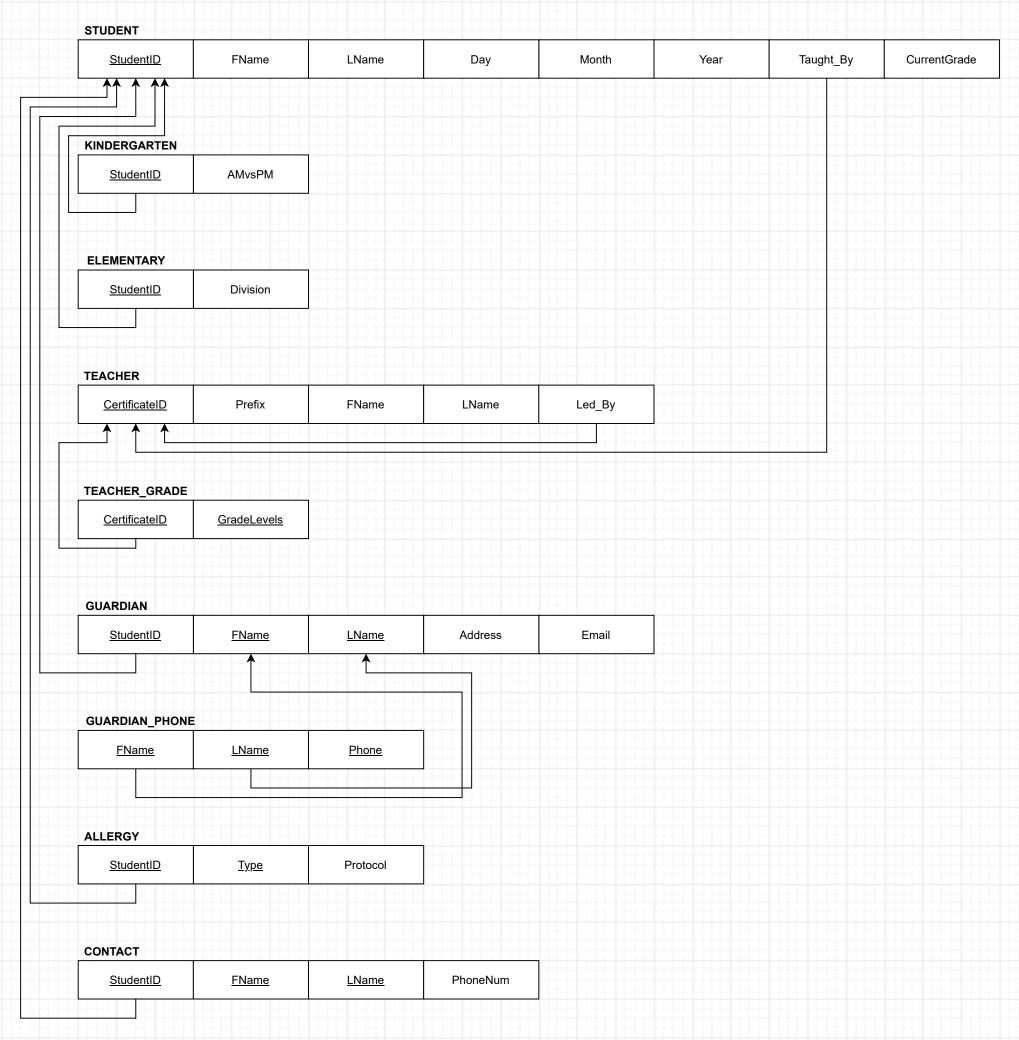
ENSF 608 - Fall 2021

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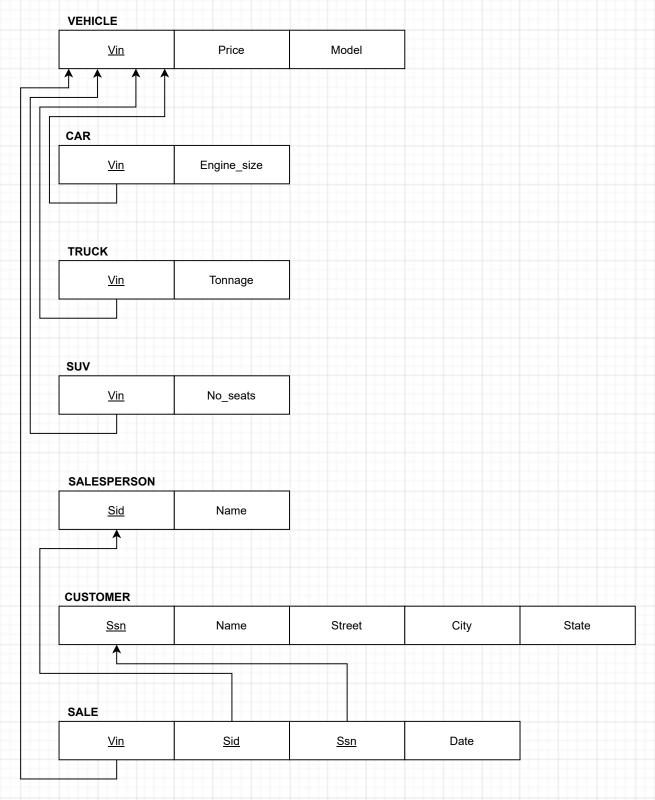
Student Name: Bhavyai Gupta

Submission date: October 18, 2021

Question 1 - Relational Data Model



Question 2 - Relational Data Model using Option 8A



Question 2 - Variation using Option 8B

CAR				
<u>Vin</u>	Price	Model	Engine_size	
TRUCK				
<u>Vin</u>	Price Model		Tonnage	
suv				
<u>Vin</u>	Price	Model	No_seats	

Question 2 - Variation using Option 8C

VEHICLE						
<u>Vin</u>	Price	Model	Vehicle_Type	Engine_size	Tonnage	No_seats

Question 2 - Variation using Option 8D

VEHICLE									
<u>Vin</u>	Price	Model	Car_Flag	Engine_size	Truck_Flag	Tonnage	SUV_Flag	No_seats	

Question 3 - Design Assumptions

- 1. Total participation by Book in relationship type PUBLISHED_BY. Any available book must have published by one publisher.
- 2. Total participation by Book in relationship type WRITTEN_BY. Any available book must have at least one author.
- 3. Author as weak entity.

 Author must be associated by a book that he/she has written.

