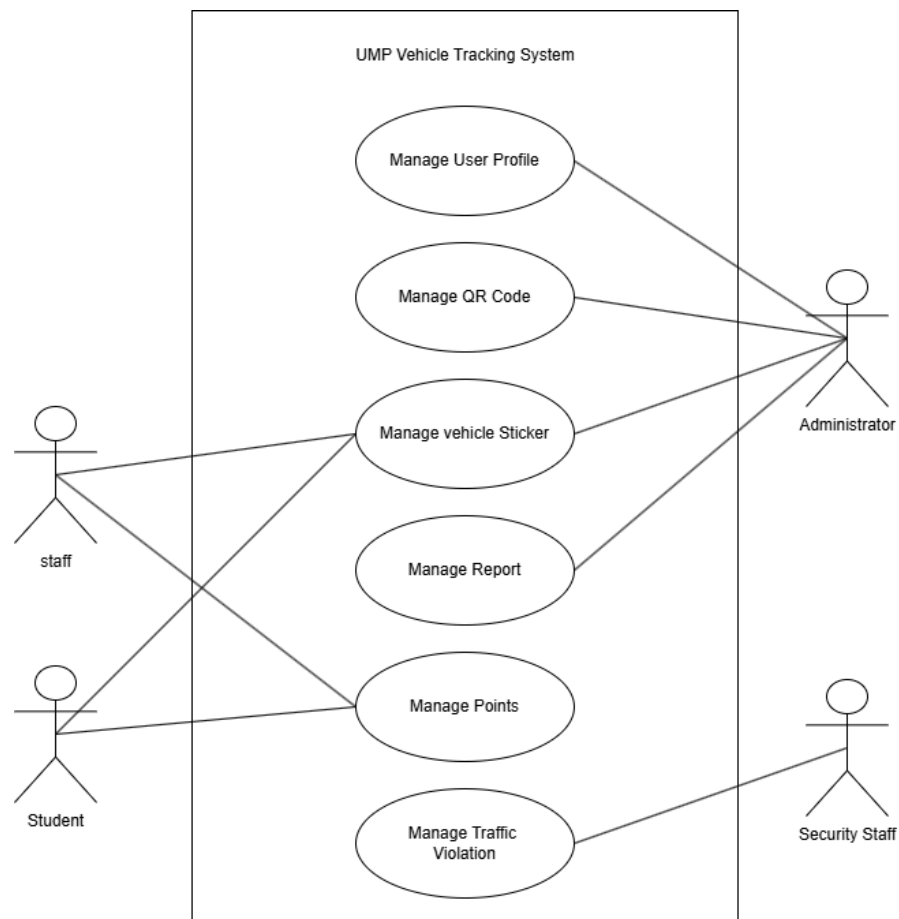


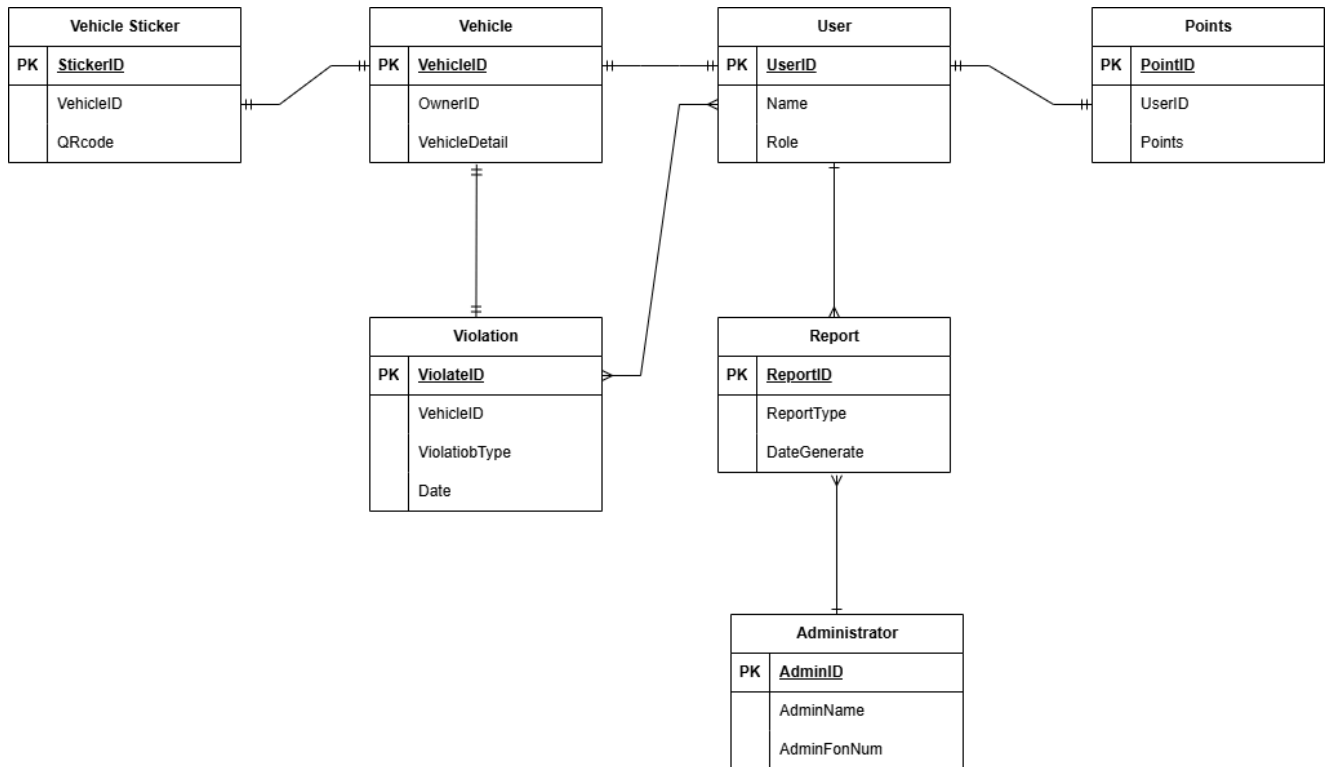
a) Suggest TWO (2) non-functional requirements suitable for UMP vehicle tracking system (UMPVi).

- i) Security. The system must ensure that all user data and vehicle information are securely stored and protected against unauthorized access. This includes encryption of sensitive data and secure login mechanisms for users.
- ii) Performance. The system should be able to handle a large number of users and vehicle records efficiently, ensuring fast data retrieval and processing times. This includes optimizing database queries and ensuring the system can scale with increased usage.

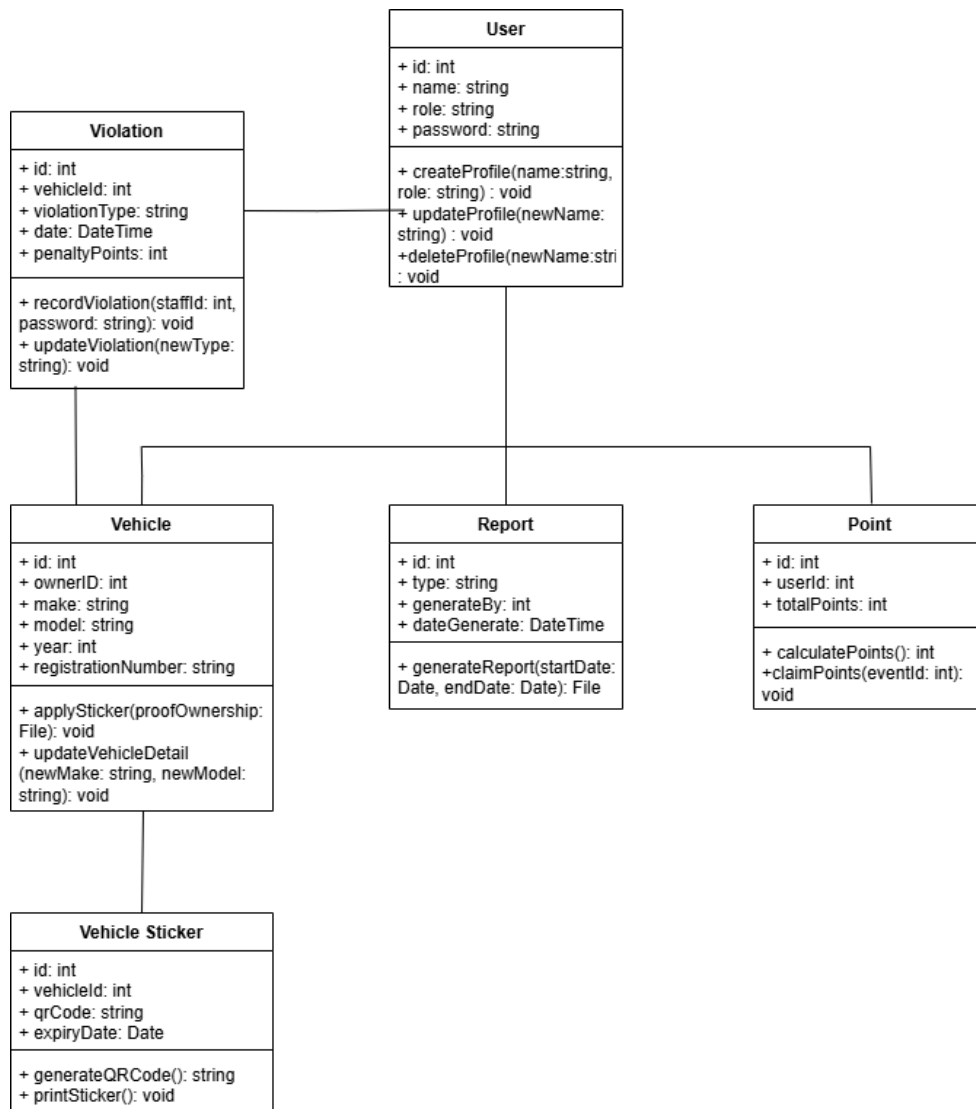
b) Propose the use case diagram.



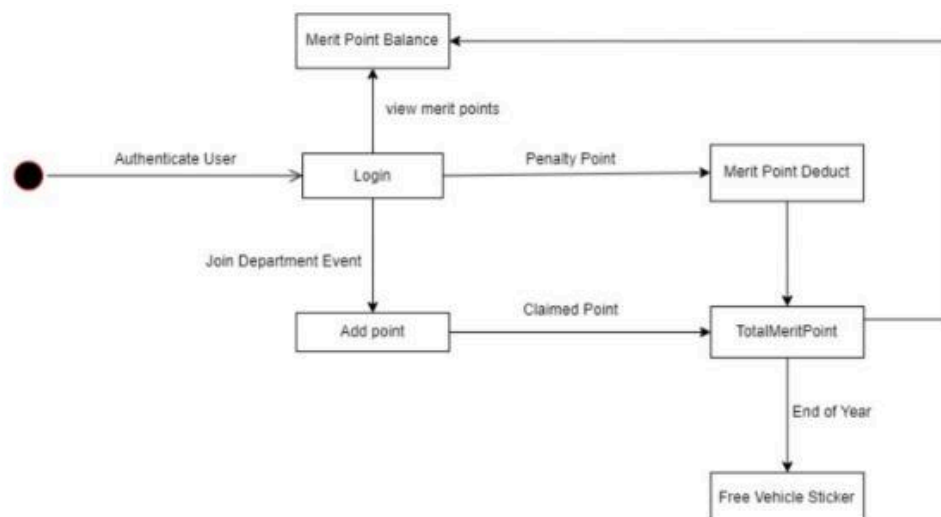
c) entity relationship diagram



- d) Produce a class diagram that consists of the list of attributes and methods for the proposed application.



- e) Draw a state diagram for Module 4.



- f) Propose a presentation diagram for the main page of the application.

UMPVi is a vehicle tracking system designed to manage vehicle stickers, track traffic violations, and reward users for good traffic behavior.

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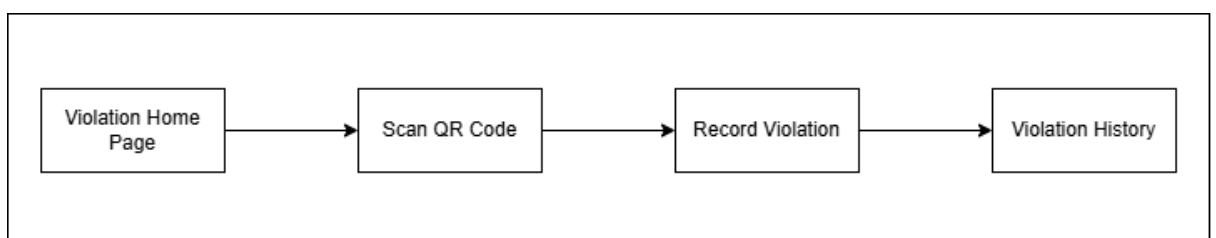
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- g) Produce a hypertext structure model for Module 3.



h) Produce an access model for Module 1.

