

PROYECTOS DE INGENIERÍA Y GESTIÓN DEL SOFTWARE

REPORT NUMBER	9
TEAM NUMBER	24
TITLE	Domain model and repository
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1. Domain model:

The diagram represents the core entities and relationships of the **Fleet Track** system. The main entities are:

- **Users:** represent system accounts, linked 1-to-1 with Drivers.
- **Drivers:** hold personal and license information and may be assigned to a Vehicle.
- **Vehicles:** central to the system, related to Drivers, Incidents, Maintenance Records, Schedules, and Vehicle Reviews.
- **Maintenance Records** and **Schedules:** track vehicle servicing history and future plans.
- **Incidents:** log events involving vehicles and optionally drivers.
- **Vehicle Reviews:** daily pre-checks submitted by drivers.

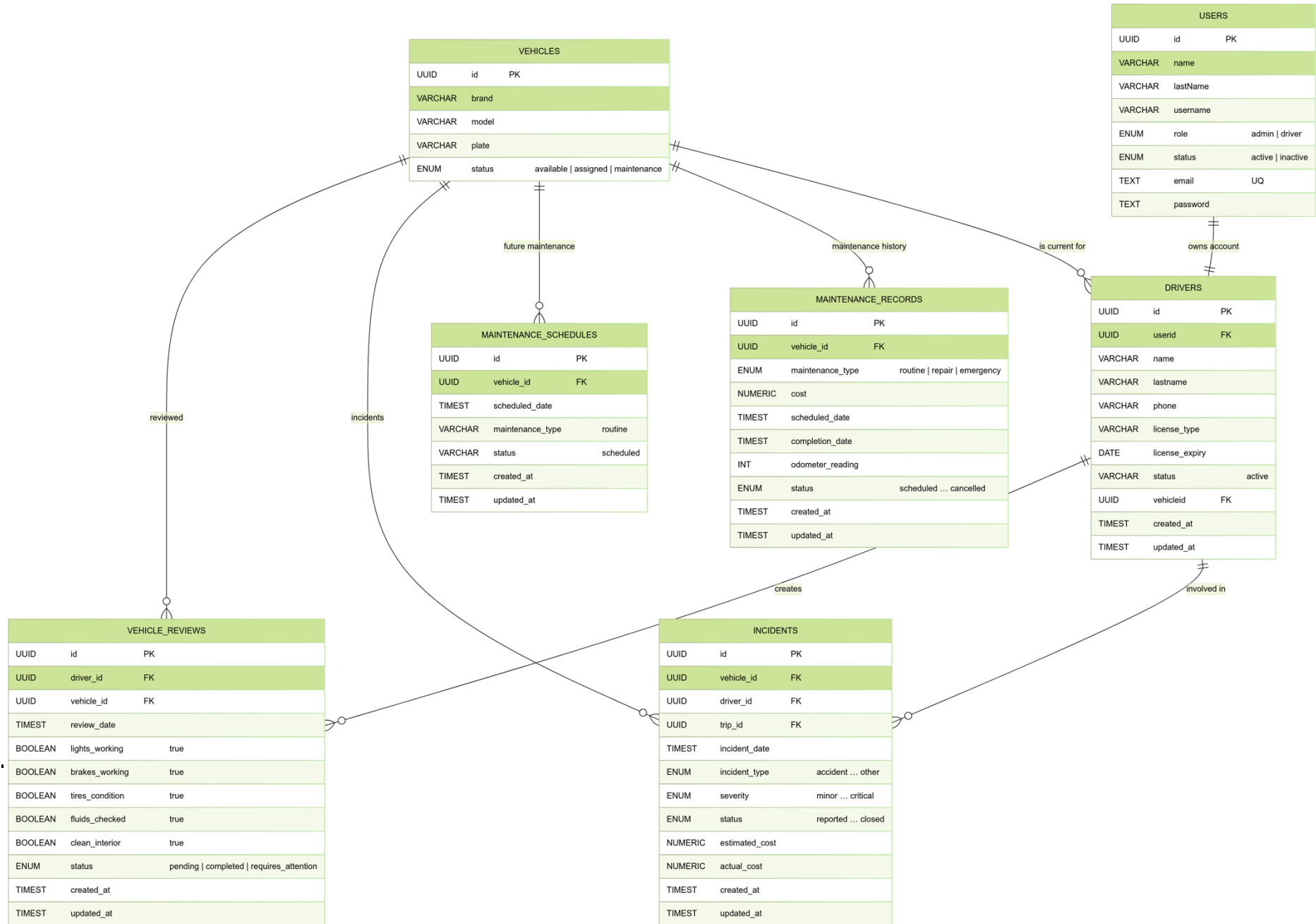
Relationships are enforced via foreign keys, ensuring data consistency across assignments, usage, and operational events. This model supports tracking, maintenance planning, and driver accountability.

Online version: <https://www.mermaidchart.com/raw/777914d7-84e3-498c-894d-8fa318030c99?theme=light&version=v0.1&format=svg>

PNG version:

Instructions:

Elaborate a domain model (class diagram, entity-relationship or similar) with the entities, relationships, and restrictions within your software. Include a link to the repository of your prototype.



2. Link to the repository: <https://github.com/FleetTrackPigs/fleet-track>

Instructions:

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