

CAR
IMPOUNDMENT
SYSTEM

We take care of the process, no more paper.



Introduction

Purpose:

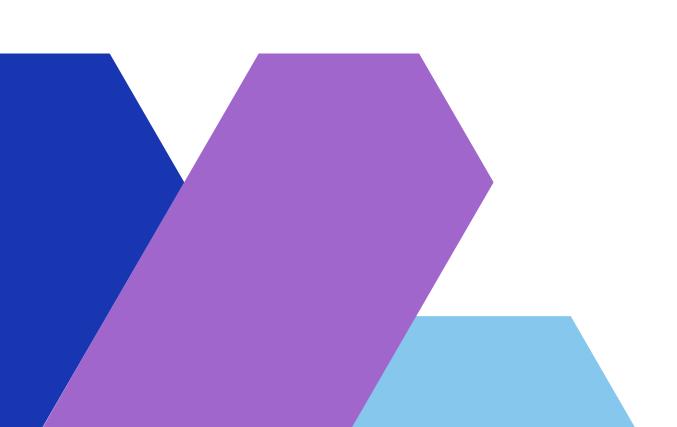
To manage impounded vehicles efficiently.

Users:

Worker Administrative Staff Users

Functional Requirements

Take advantage of the tools available.





Search vehicles by license plate or VIN



Workers can register impounded vehicles

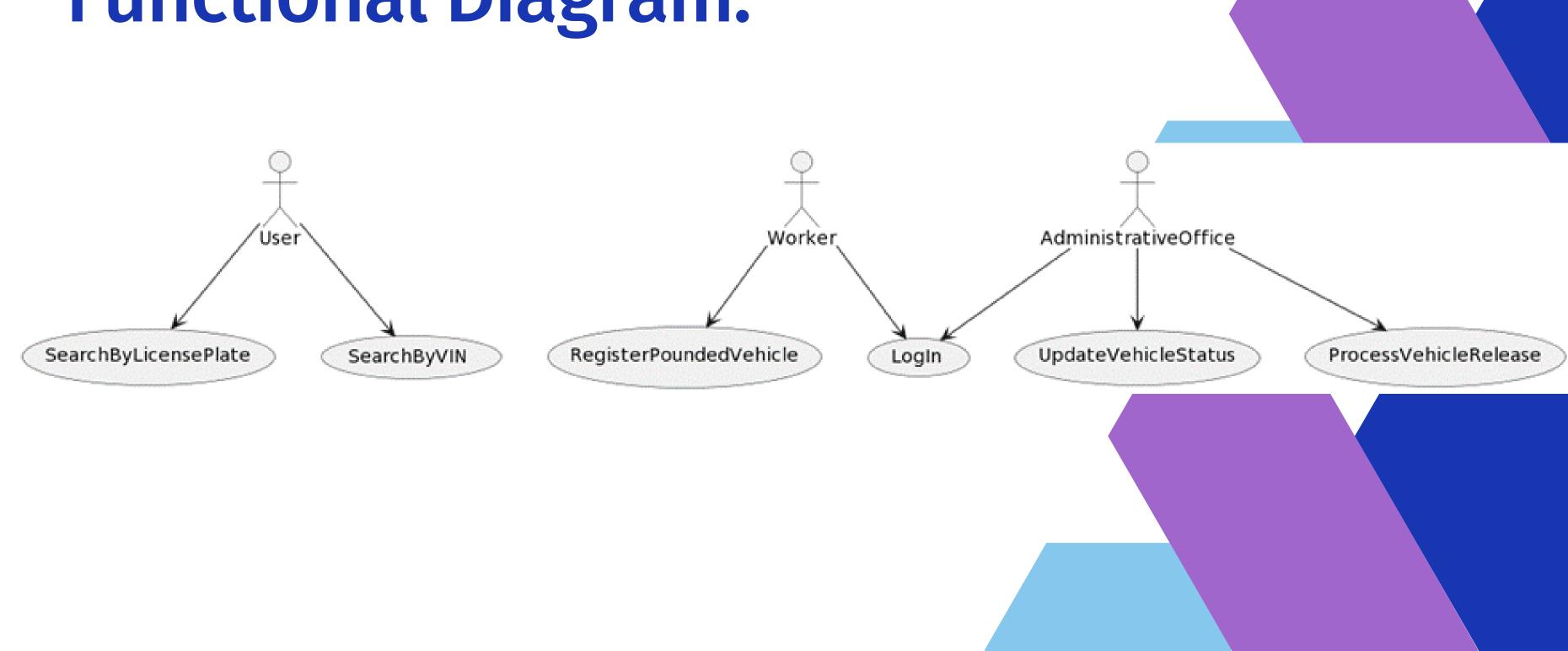


Administrative staff can update vehicle status



Administrative staff can process vehicle release.

Functional Diagram:



MVC Model

Models:

- Vehicle
- ImpoundmentRecord
- User
- Payment

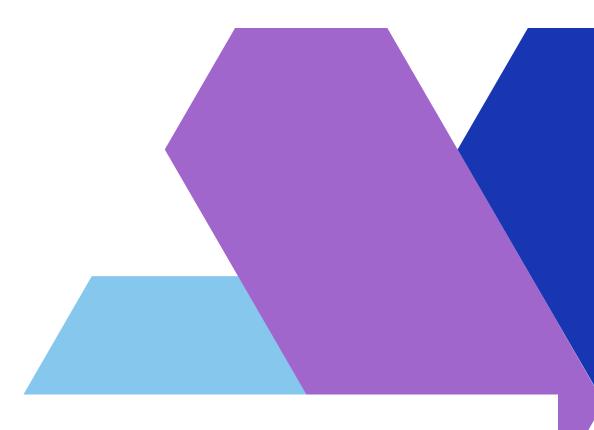
Views:

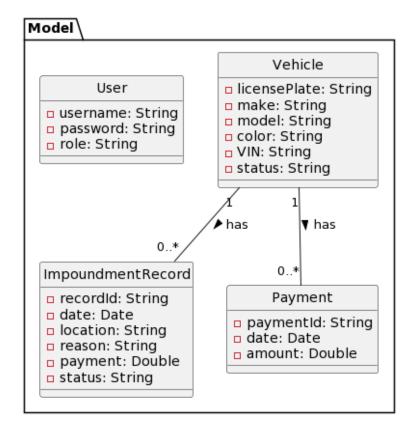
- VehicleView
- ImpoundmentRecordView
- LogInView

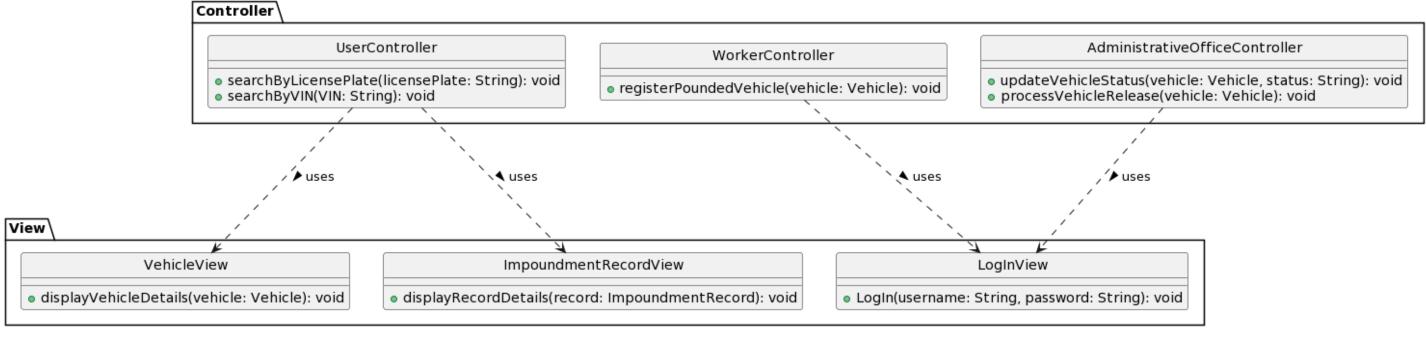
Controllers:

- UserController
- WorkerController
- AdministrativeOffice Controller

Class Diagram:







Database Design

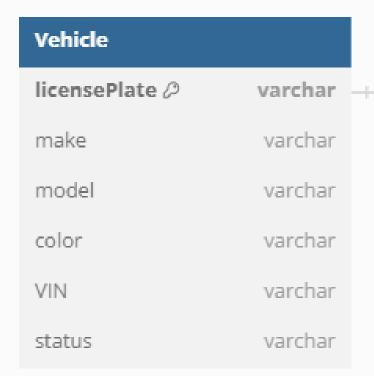
Tables:

- Vehicle,
- ImpoundmentRecord
- User
- Payment

Relationships:

- Vehicle has ImpoundmentRecords
- ImpoundmentRecord created by User

Database Diagram:





ImpoundmentRecord	
recordId Ø	varchar
date	Date
location	varchar
reason	varchar
payment	Double
status	varchar
vehicle_licensePlate	varchar

User	
username 🖉	varchar
password	varchar
role	varchar

