

CPSC 304 Project Cover Page

Milestone #: __1__

Date: _Feb 09, 2025_

Group Number: ____110__

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

2.a. What is the domain of the application? Describe it.

The domain of this application is **residential parking management**. It is designed to address inefficiencies in traditional visitor pass-based parking systems and ensure fair usage of visitor parking spaces.

2.b. What aspects of the domain are modeled by the database?

The system enables tracking of parking activities for both residents and visitors, enforcing compliance with parking regulations, and preventing abuse of visitor parking privileges. It also provides administrators with tools to monitor violations, manage payments, issue tickets, and take necessary enforcement actions like towing when necessary.

3. What functionality will the database provide?

The database will support the following key functionalities:

Parking Management:

- Assigning and tracking visitor passes for vehicles with automated enforcement of time limits.
- Restricting visitor pass usage per resident/unit to prevent misuse.

Violation Detection & Enforcement:

- Parking lot managers can check unauthorized parking and issue violation tickets.
- Enforcing overstay penalties and tracking repeat offenders.
- Implementing a three-strike system to flag vehicles for potential towing enforcement.

Payment Processing & Financial Tracking:

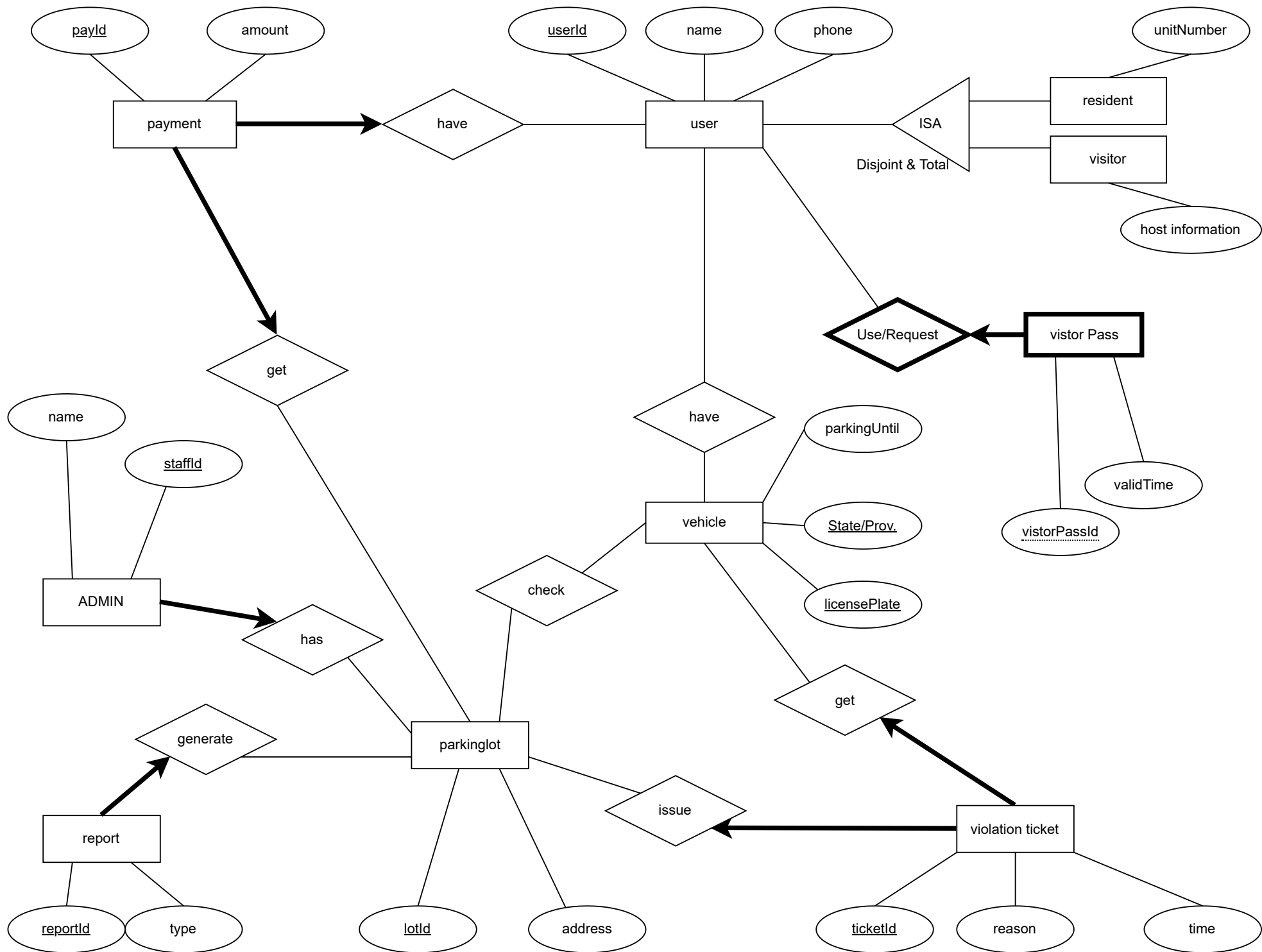
- Managing payments for violation tickets.
- Generating financial reports on revenue from fines.

Administrative Oversight & Reporting:

- Providing real-time monitoring of parking activities and compliance.
- Generating violation and visitor pass usage reports.

4. An ER diagram for the database that your application will use.

See [next page](#).



5. Your E/R diagram should adhere to the expectations listed above.

Yes it is

6. Other comments, as appropriate, to explain your project.

N/A

7. An explicit acknowledgment about your use of AI tools in this assignment. Specifically, we are looking for a clear yes/no about whether you have used one or more AI tools. If yes, we want to know which tool(s) you have used and what prompt(s) you have given the tool.

We did not use any AI tools in this assignment.