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CIS 245 ONL01

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Lab#3

WRITER'S PATROL

Consider the Writer's Patrol traffic citation shown in Figure. 4-28. The: rounded corners on this form provide visual hints about the boundaries of the entities represented.

1. Draw an E-R data model based on the traffic citation form. Use five entities, create identifiers (watch out for any composite identifiers th.at may be needed, and you can use surrogate identifiers if appropriate), and use the data items on the form to specify attributes for the entities. Use the IE Crow's Foot E-R model for your E-R diagram.

Diagram

Description automatically generated

1. Specify relationships among the entities. Name the relationships and specify the relationship types and cardinalities. Justify the decisions you make regarding minimum and maximum cardinalities, indicating which cardinalities can be inferred from the data on the form and which need to be checked out with the system users.

The relationships are Driver to Vehicle, Driver to Ticket, Violation to Officer, Tickett to Violation, and Ticket to Officer.

Diagram

Description automatically generated