

Individual Assignment #1

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Question #1

There are five events that I can see from the case study. First an officer writes a ticket for a moving violation. Some time later that officer gives a copy of the ticket to the clerk to input that information into their system. The violator will then either pay the fine or request a trial, that is two separate events. If the fine is paid, then the clerk will update that event in the database. If a trial is requested then the court will determine an outcome of that trial and notify the department of state patrol and the clerk will update the status of the verdict. In the event that neither the fine has been paid or a trial is requested by the due date on the ticket, then a warrant is requested with the court system and that event will be updated on the state patrol system. If the new system will allow an officer to directly enter the information into the system, or still be allowed to give the clerk copies of the ticket then both the officer and clerk are actors of the system in the moving violation event. For the trial, if the new system allows the courts to update the trial status then they can also be actors for that event.

Question #2

EVENT	TYPE	USE CASE	ACTORS
Moving Violation	External	Record of a moving violation that has been written by a Sheriff's Deputy. The Actor enters the Violator's name, Officer's Name, Court System, and	Sheriff Deputy, Clerk
Fines Paid	Internal	Status of fines' that have been paid.	Clerk
Trial Request	Internal	Status of trial requested by the violator	Clerk
Warrant Issued	Temporal	A warrant Will be Issued for the violator if the fines for the moving violation are not paid for by the due date.	System Timer
Court Verdict	External	Verdict given by the relevant court of the moving violation resulting from the trial requested by the violator.	Court, Clerk

Question #3

