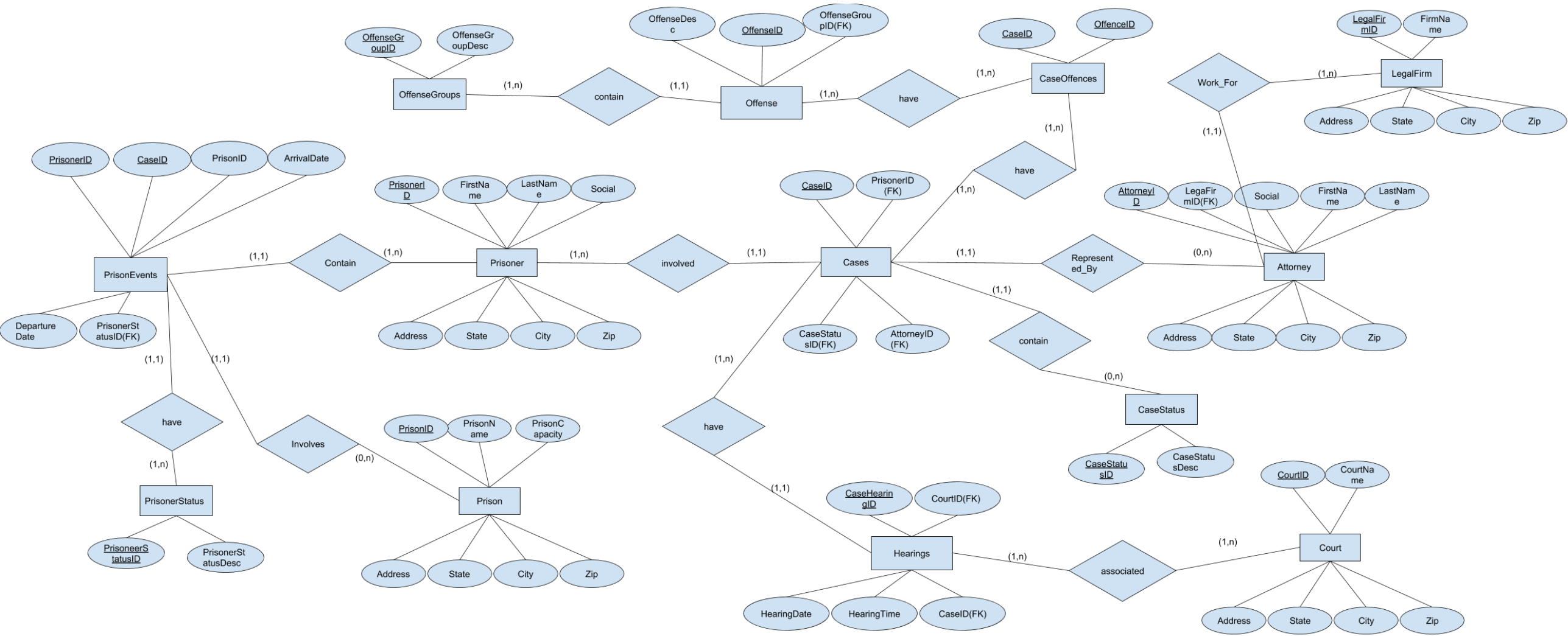


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ER Diagram – Georgia Criminal Justice Database



Assumptions:

1. Only one prisoner associated with a single case.
2. 1 prisoner can be involved in multiple cases (sequentially or concurrently)
3. A prisoner can be involved in 1 or more cases but must be involved in at least 1 case
4. There is a single attorney assigned to a single case
5. A prisoner cannot represent himself in court hearings (prisoner cannot be their own attorney)
6. Prisoner ID is unique to one prisoner for the duration of their life.
7. A prisoner can be arrested 1 or more times
8. A prisoner can be imprisoned more than once at the same or different facilities.
9. A prison must be identifiable by a unique Prison ID
10. A court must be identifiable by a unique Court ID
11. A legal firm must be identifiable by a unique Legal Firm ID
12. Case ID is unique
13. Offense ID is unique
14. Offense Group ID is unique
15. Attorney ID is unique
16. A case has 1 or more offenses
17. Each case can have ≥ 1 Court Hearings
18. A prisoner can only be in one state prison at a time.
19. An attorney can only belong to 1 Legal firm
20. A Legal firm can have one or more attorneys.
21. An attorney can work on multiple cases.
22. All offences for one case are associated with every hearing for that case.
23. Hearings for the same case can happen at different court houses
24. Prisoners will be in one prison per sentence(case)
25. A Court must have at least 1 hearing