Court system project

Done by team no. 119:

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Assumptions: -

* Every court is distinguishable by its location and type (court of first instance, court of appeal, court of cassation).
* Judges work in courts, they have attributes such as: name, address, SSN, years of experience, and a unique ID.
* Judges work with advisors who have the same attributes.
* Judges judge in cases, cases have attributes such as: a unique number, type, sentence, start and end date, location and method.
* Cases have witnesses who witness in cases; they are known by their unique SSN, age, gender, name and address.
* Prosecutors help with cases; each prosecutor has a name, address, SSN, and a unique ID.
* Lawyers advocate in cases; we store each lawyer’s name, address, SSN, gender, a unique ID, and who hired them.
* Lawyers work for a party; each party has a unique name, ID, address, and type.
* Some parties work against other parties; defendants against plaintiffs.

Relationships: -

* Each court has at least one judge, each judge works in exactly one court.
* Each judge may have many advisors or may have none, each advisor must work with exactly one judge.
* Each judge may judge in zero or more cases; each case must be handled by only one judge.
* Each prosecutor helps with zero or more cases; each case must involve one or more prosecutors.
* Cases have many witnesses, witnesses witness in many cases.
* Lawyers can advocate in more than one case or none at all, each case must have at least one lawyer.
* Each party has exactly one lawyer, but a single lawyer may work for zero or more parties.
* Each party (defendant) works against one party (plaintiff) only, the plaintiff is not present in some cases e.g. crimes against the country or the public money.
* Each party is part of one or more cases, each case has one or more parties.