

Bilkent University

Computer Engineering

CS 353 - 03

Project Proposal

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National Judiciary Informatics System

<https://windrunner21.github.io/CS353-Databases/>

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1. Description

In this project, we are going to implement a National Judiciary Informatics System. In our design, every citizen of a country can file a lawsuit on a suspected person. The case can be solved either by agreement between parties through reconciliation or by the particular decision of a judge. A citizen can file the lawsuit with different types in a particular court of a particular city. A lawsuit can be opened by either a personal lawyer or the one that is assigned by the court.

2. Requirements

a. Functional Requirements

- Citizens will be able to file a lawsuit by themselves.
- Citizens will be able to file a lawsuit with the help of their lawyer.
- The lawyer will be assigned to a citizen by a court if the citizen does not provide the lawyer by themselves.
- Citizen will be able to file a lawsuit against another citizen, with/without the help of the lawyer.
- The lawyer can open a lawsuit.
- The lawsuit will be assigned to a specific court in a specific city.
- The judge is assigned to the lawsuit.
- The judge gives the final decision about the lawsuit.
- The conciliator is assigned to the lawsuit.
- Conciliator gives his decision on the lawsuit if both sides agree to it.
- The lawsuit can be solved by conciliation of two sides.

b. Non-functional Requirements

- The database will be implemented in MySQL.
- Response time for fetching information from the database will be as minimal as possible.
- The database will be scalable, being able to store a lot of entries and data.

3. Limitations

1. Citizen can file a lawsuit only with the help of Lawyer. If a citizen does not have his or her private lawyer, the court will assign a free lawyer to a citizen for a procedural works. If there is no any lawyer in the system, then citizen cannot file a lawsuit.

2. Judge can assign a conciliator if he thinks that both parties can agree on a certain issue. If judge thinks that there is no need for reconciliator, then judge will decide directly by himself, so that reconciliator will not be involved to the process.

4. E/R Model

