

INF 1343 - Milestone 2

Repair Service Database

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Assignment 2

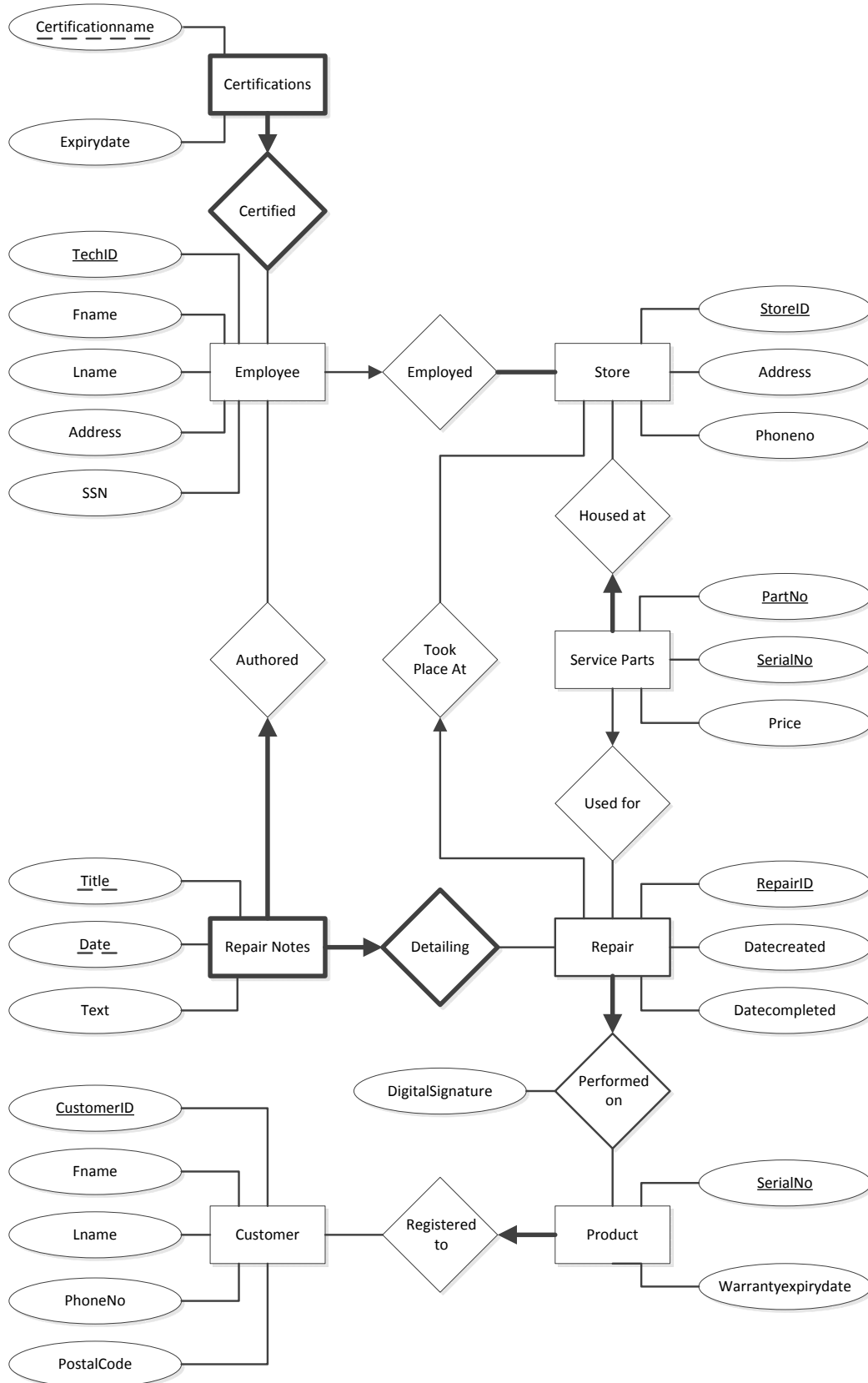
The following Entity Relationship Diagram is an illustration of the application requirements for our repair service database.

All of the requirements outlined in the previous assignment have been captured in this diagram. However, the exercise of creating the diagram led us to make some changes to our original design. For example, we decided that only the most current digital signature needed to be stored, allowing us remove an entity and make digital signature an attribute of the relationship between repair and product. Additionally, we also realized that *repairs* should be separated from *service parts*, whereby a relationship is established between *store* and *repair*, and *store* and *service parts*.

Translating this ER diagram into a relational model is done mostly by linking the entities through a foreign key and primary key. This is due to the fact that all of our relationships are either 1 to 1 or 1 to many.

Given the following ER diagram and relation model, we are confident we can implement this design into a database that meets all of our requirements.

Repair Service Database ER Diagram



Repair Service Database Relational Model

