Database Proposal for Document-Based Data Design
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Purpose

My database will store and organize information found in scanned documents that currently exist within a file-sharing server at the Town of Prosper. The database will help form the foundation for the upcoming Laserfiche integration by constructing tables and rows to which the documents will be attached. This will make finding and referencing these documents easier for use within the town government and will simplify the long-winded and often complicated nature of these documents.

Schema

Development agreements will be attributed with

- agreement type: Masonry, Engineering, or Parks (from documents)
- contract ID as defined by the state entity (from documents)
- materials (primary and secondary) to be used in the development (from documents)
- Owner party name (from documents)
- number of parcels involved in the development (from parcels)
- address of the site (from parcels)
- acreage size of the development (from parcels)
- subdivision name (from subdivisions)
- network path (from file-share server)
- project ID (from file-share server)

Method

My strategy for designing this database will consist of

1. Enabling OCR to search for attributes found in the documents
2. Translating the legal description to an identifiable parcel or set of parcels and populating the related parcels and subdivisions
3. Populating development agreements with primary and foreign keys between it and the parcels and subdivisions tables