

Team 01-07

Team Members:

Jm Tameta, Matt Sacco, Matt Shea, Meghan McConnell, Sarah Phung, Val Roberts

ACC 311/ CSC 315

Energy Demand

Stage III - Elaboration: Database Model

ER Diagram

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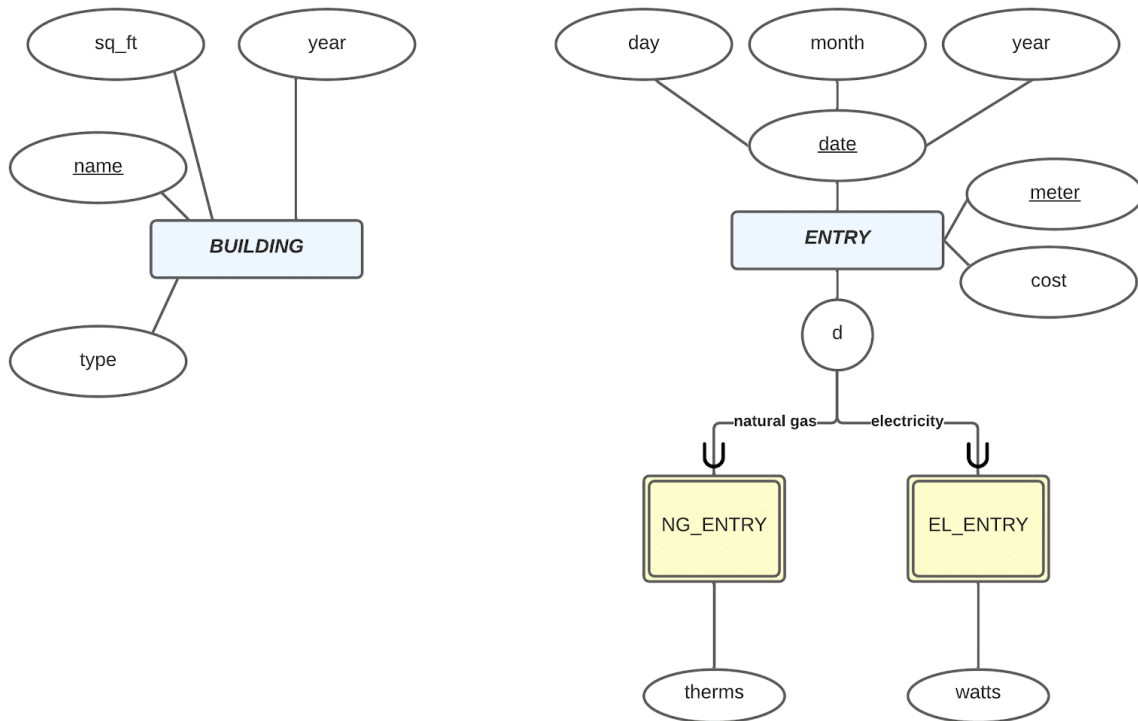
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Relational Schema

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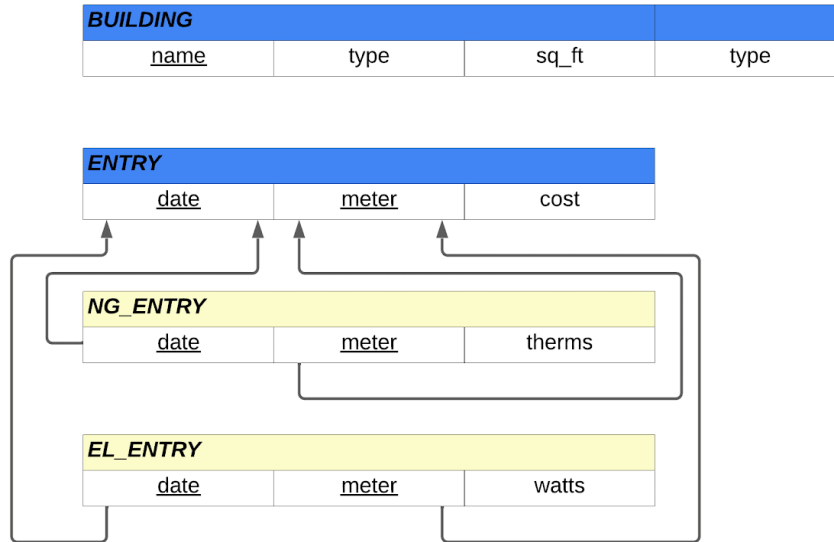
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Estimates

Initial Database Size

- ~ 1450 entries based on the ESPM excel sheet provided to us. We're excluding the 'Estimated Co Gen Electric' & 'Fuel Oil Deliveries' from the data entries.

Types & Average Number of Searches

- The types of searches we intend for the user to query would be mainly aggregate function calls on multiple selections from the ENTRY relation. We allow them to sort the data they view such as sorting by date, type of building, square footage, etc.
- In a hypothetical situation if we were to have a contractor use our program we expect them to average about five times the number of queries. For instance if they wanted to look at the average electricity usage within the month of 'April' within the time period of '2009-2019'. This query itself will take about five steps. Therefore our average would be five times the number of queries the user provides.

Create New Issues on GitHub

- stand up the database
- create the entities
- create the relationships
- initial unit test of the database
- populate the database
- initial integration test of the database
- create a view with Flask & unit test