Mapping to Relational Databases

Architectural Patterns

One class per database table

This is a **Database Gateway**

Row Data Gateway is when you have a class for each row returned for a query.

Record Set a generic data structure of tables and rows that mimics tabular databases.

Tabular Data Gateway allows you to query the DB and returns a Record Set

When using **Domain Model** there will be one domain class per table.

Active Record is when you have an object per table that contains moderately complex business logic.

Another way of thinking about Active Record is starting with Row Data Gateway and adding business logic.

Data Mapper is responsible for mapping data between the database and domain layers.

The Behavioral Problem

Unit of Work introduces a commit style flow to saving data to the DB. It keeps track of all the objects read and updated and stores them all in one place. A programmer would then tell the Unit of Work to commit the changes to the DB.