- A set of APIs designed to simplify the persistence of data objects
- Provides a framework for saving model objects and retrieving them later
- Manages changes to object model, provides undo support, and ensures the consistency of relationships between model objects
- Object graph backed by a database (usually backed by SQL, but also can do XML (OS X only) or just in memory)

# Recipe



Name

Description

Ingredients

## Database

#### Table

- Recipe

#### Columns

- Name
- Description
- Ingredients

#### Table

- Recipe

#### Columns

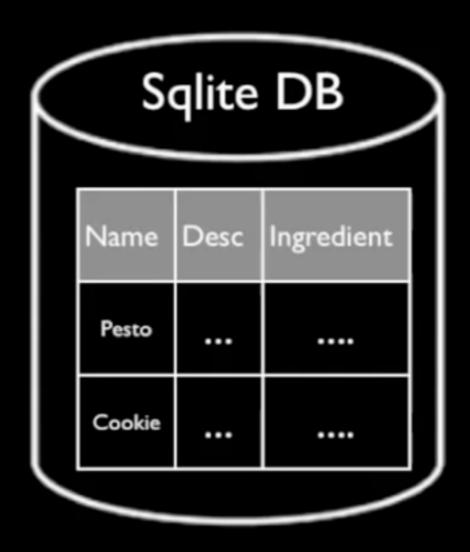
- Name
- Description
- Ingredients

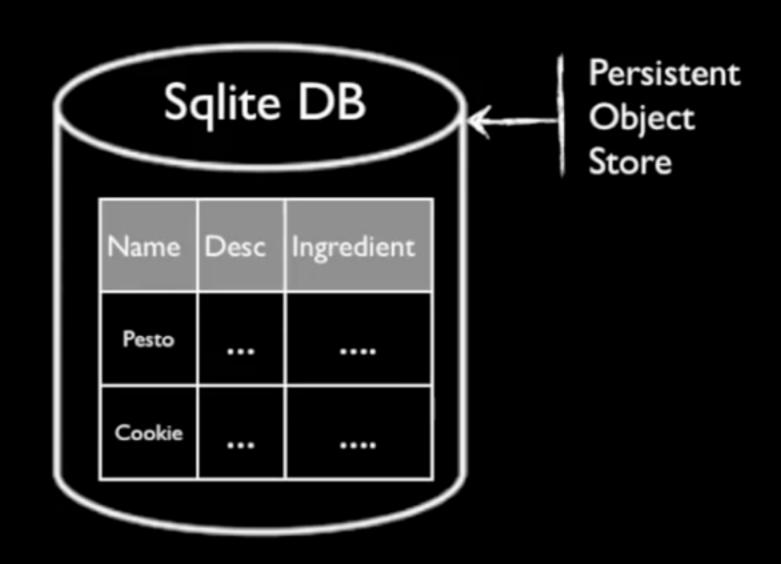
#### **EntityDescription**

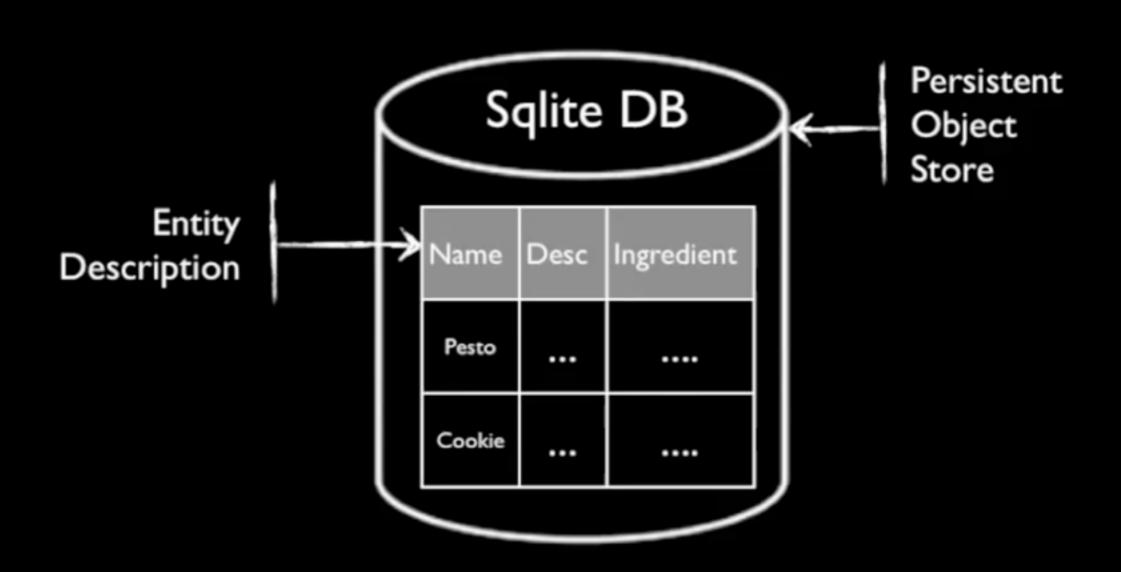
- Recipe

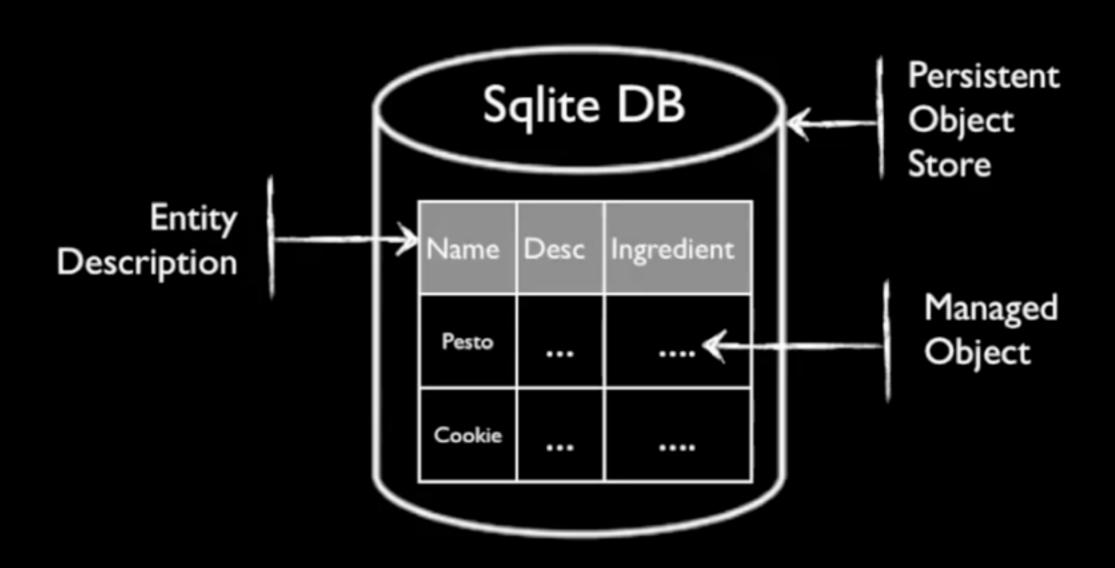
#### **Attributes**

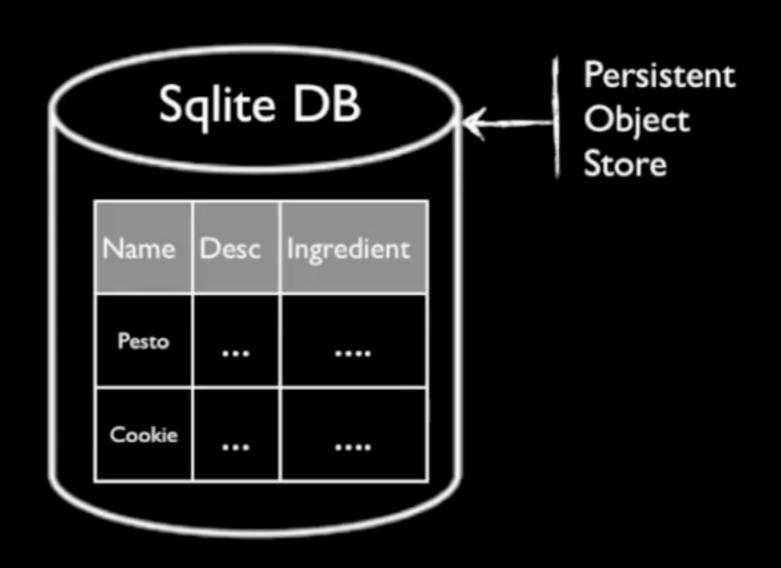
- Name
- Description
- Ingredients













Accessing the Persistent Store

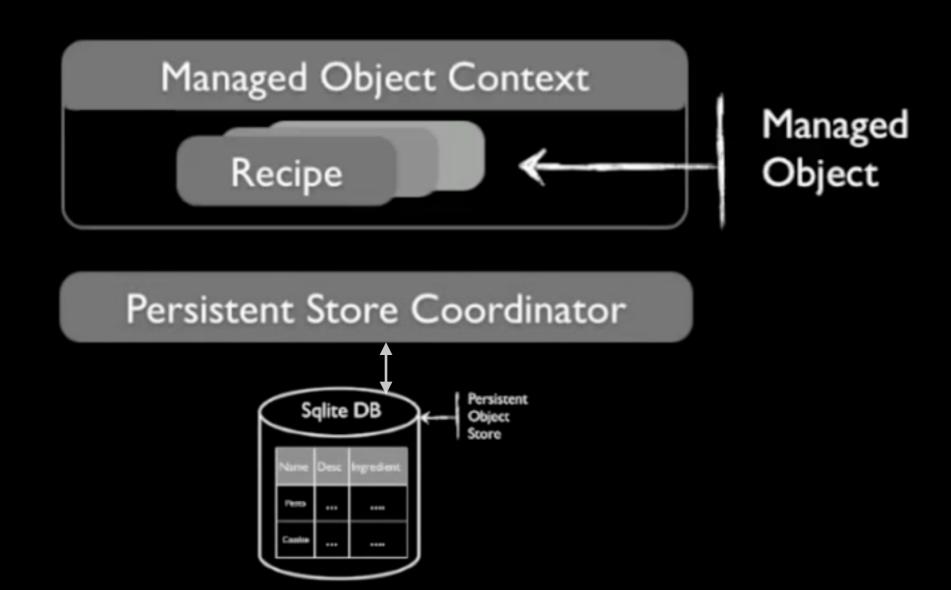
Persistent Store Coordinator

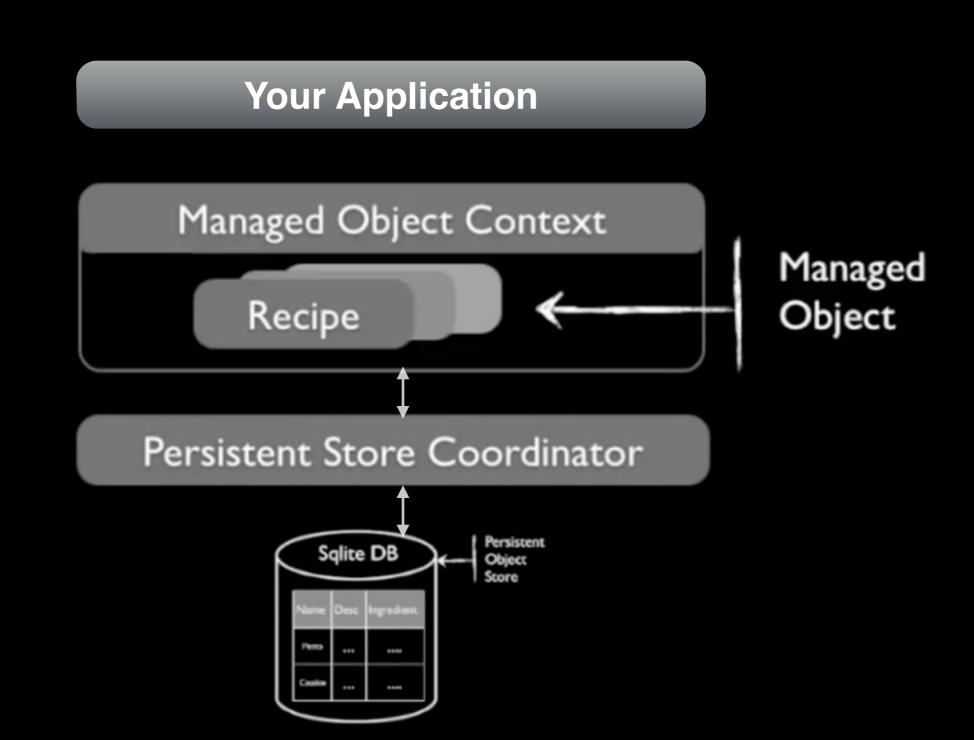


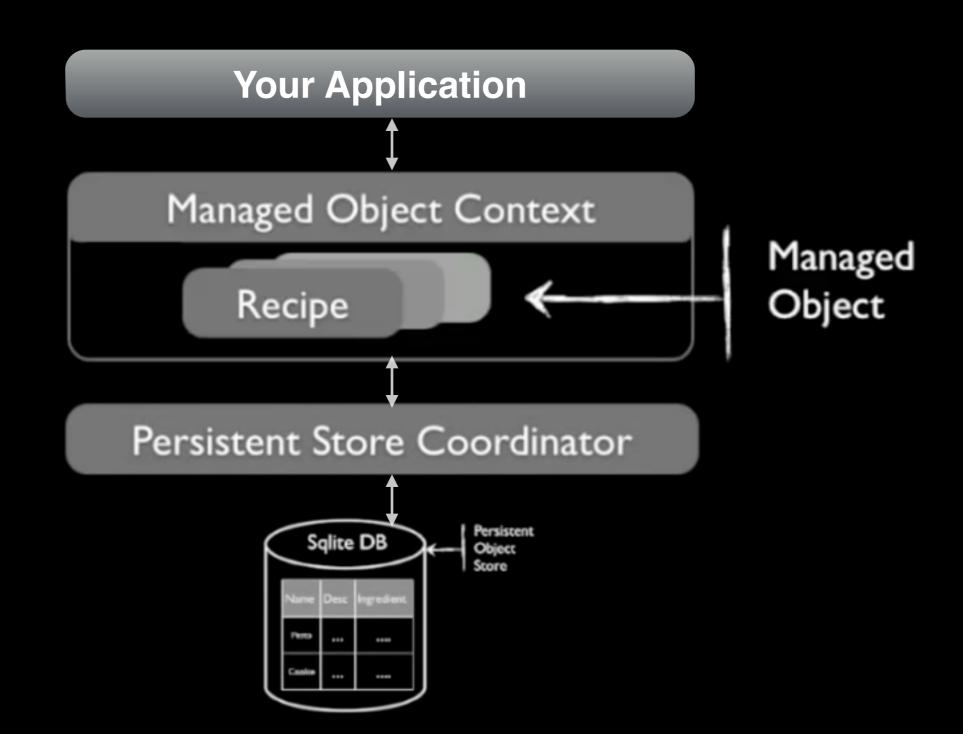
Accessing the Persistent Store

# Persistent Store Coordinator Sqlite DB Nume Desc Ingredient Pers 1:1 1:11 Cantil 1:1 1:11









# Demo

## What was covered

- Core Data stack
- Creating data model
- Using managed objects
- Fetching, deleting, updating
- NSFetchedResultsController
- Relationships between managed objects
- Accessing sqlite db from terminal
- Sorting, filtering, counting
- Fetched properties
- Notifications on data changes
- Using NSUndoManager
- Migration