Introduction to iPhone Application Development (ECS189H)

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Announcements
Today

- Core Data Recap
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- What is it again?
- How do we use it?
Core Data Stack

- Objects that work together to read and write data to some storage
Managed Object Context
A collection of managed objects

Persistent Store Coordinator
A collection of stores

Persistent Object Store
A collection of object data

Store File

Managed Object Model
A collection of entity descriptions
Persistent Object Store

- Manages storage (e.g., open / close files)
- Mapping between data in store and objects in managed object context
- Your interaction minimal
- Types: SQLite, binary, memory
Managed Object Context
A collection of managed objects

Persistent Store Coordinator
A collection of stores

Persistent Object Store
A collection of object data

Managed Object Model
A collection of entity descriptions

Store File
Persistent Store Coordinator

- Generalized interface to Persistent Object Store
Managed Object Context
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Persistent Object Store
A collection of object data

Managed Object Model
A collection of entity descriptions

Store File
Managed Object Model

- Description of your model (properties)
Managed Object Context
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Managed Object Model
A collection of entity descriptions
Managed Object Context

- Intelligent scratch pad
- Holds temporary object copies from Persistent Object Store
- Modify temporary objects as “usual”
- Save them to actually change Persistent Object Store
managedObjectContext

Employee  Department
Customer

managedObjectContext

Employee  Department
Company

Persistent Store Coordinator

Persistent Object Store

file
Employee  Department

file
Customer  Company
Build Core Data Stack
Code
Data Modeling

- Entities correspond to tables
- Properties are columns in table
- Objects are rows in table