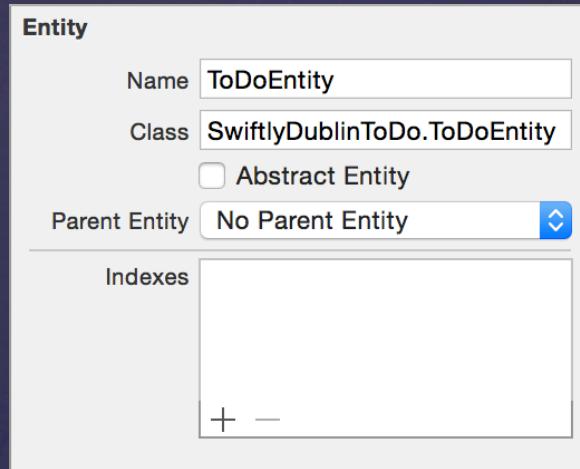
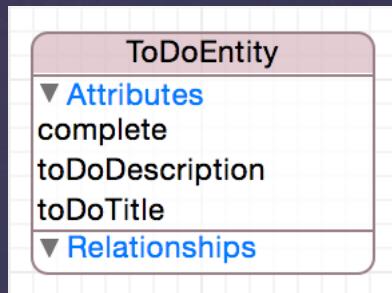


# Swiftly Dublin

## Session 2

{ Core Data



& <https://developer.apple.com/library/ios/documentation/Cocoa/Conceptual/CoreData/Articles/cdMOM.html>

# The Managed Object Model

& <https://developer.apple.com/library/ios/documentation/Cocoa/Conceptual/CoreData/Articles/cdCreateMOs.html>

```
var ToDoItem: ToDoEntity! = NSEntityDescription.  
    insertNewObjectForEntityForName(  
        "ToDoEntity", inManagedObjectContext:  
        context) as ToDoEntity  
var error: NSError? = nil  
var success = context.save(&error)
```

# Creating a Managed Object

- & <https://developer.apple.com/library/ios/documentation/Cocoa/Conceptual/CoreData/Articles/cdFetching.html>

```
var error: NSError? = nil
var fetchRequest: NSFetchedRequest =
NSFetchRequest(entityName: "ToDoEntity")
fetchRequest.resultType =
    NSFetchedRequestResultType.ManagedObjectType
let results: NSArray =
    context.executeFetchRequest(fetchRequest, error:
&error)!
```

# Fetching a Managed Object

```
ToDoItem.todoTitle = ...
ToDoItem.todoDescription = ...
ToDoItem.complete = ...
var error: NSError? = nil
var success = context.save(&error)
```

# Updating a Managed Object

- ① Clone starter app from <https://github.com/SwiftlyDublin/session4-coredata-todo-app>
- ② Save new ToDo items to CoreData
- ③ Update existing ToDo items

Advanced:

- ① Delete existing ToDo items
  - Requires implementation of edit mode for the main table view
- ② Fetch objects using NSFetchedResultsController
  - [https://developer.apple.com/library/ios/documentation/CoreData/Reference/NSFetchedResultsController\\_Class/](https://developer.apple.com/library/ios/documentation/CoreData/Reference/NSFetchedResultsController_Class/)

# Session 4 Goals