The Core Data Stack

Model	**Represent**
Manipulate	**Persist**

Explaining the Core Data Stack

Explaining the Core Data Stack
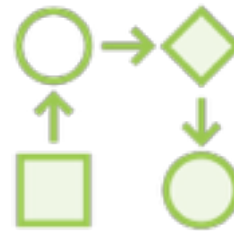
Model

Manage

Persist

| NSManagedObjectModel | NSManagedObject | NSPersistentStoreCoordinator |
| | NSManagedObjectContext | NSPersistentStore |

ShoutOut NSManagedObjects

ShoutOut

Employee

NSManagedObjectContext

Create	**Change**	**Track Changes**
Delete	**Query**	**Save**

Explaining the Core Data Stack
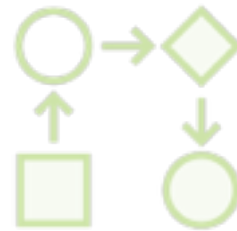
Model

Manage

Persist

NSManagedObjectModel	NSManagedObject	NSPersistentStoreCoordinator
	NSManagedObjectContext	NSPersistentStore

Explaining the Core Data Stack

NSManagedObjectContext

NSPersistentStoreCoordinator

NSPersistentStore
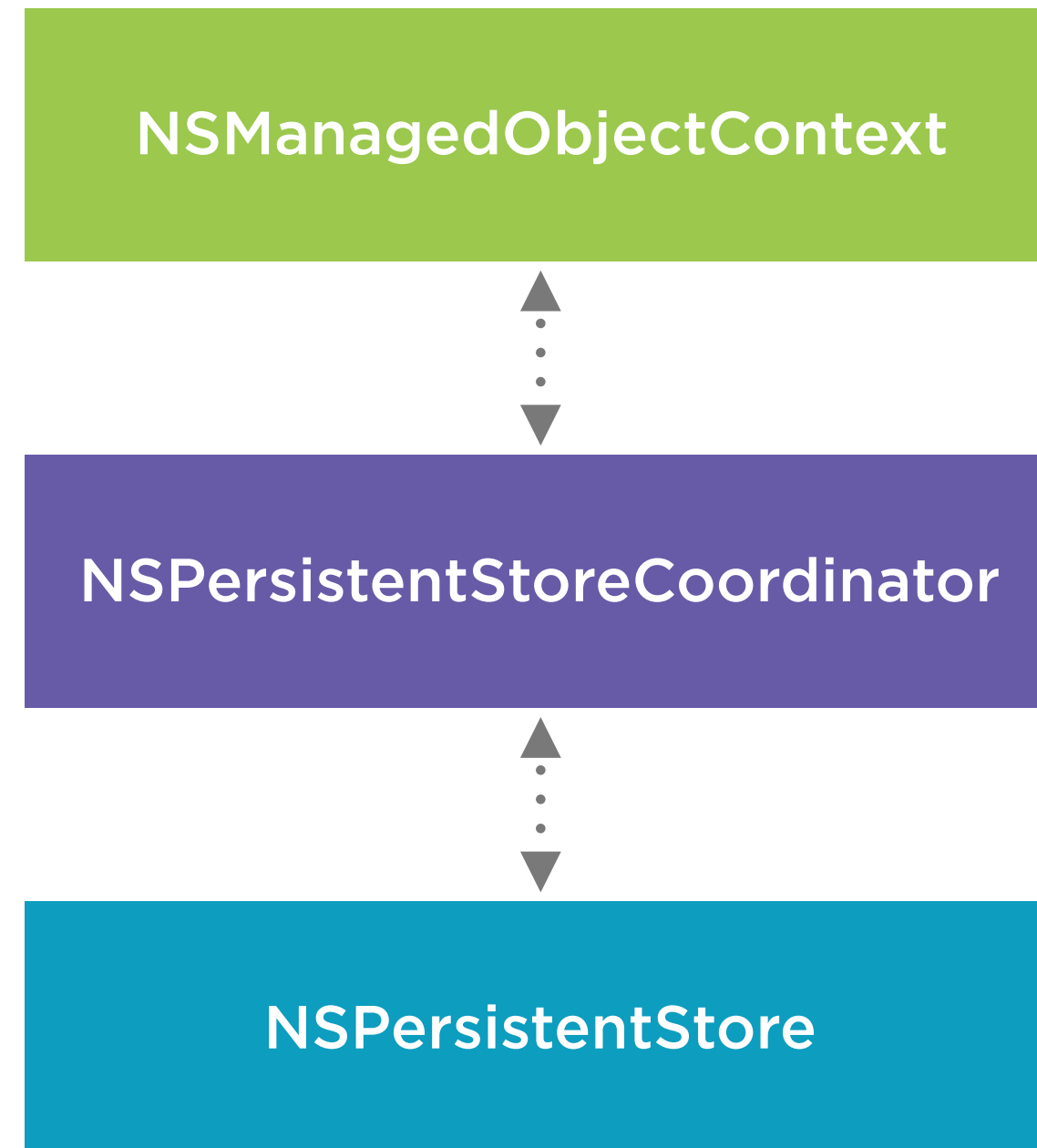
Setting Up the Core Data Stack in Code

Setting Up the Core Data Stack In Code

Step 1
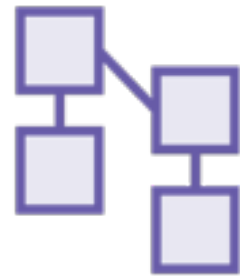
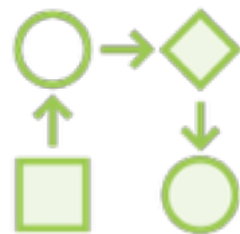**NSManagedObjectModel**

Step 2

NSPersistentStoreCoordinator

NSPersistentStore

Step 3

NSManagedObjectContext

Architecting for Testing and Maintenance

The Key to Unit Testing with Core Data

Dependency Injection

Architecting for Testing and Maintenance

App Delegate

```
func application(didFinishLaunchingWithOptions) {
    …
    let context = createMainContext()
    …
}
```

View Controller

```
var context: NSManagedObjectContext!


override func viewDidLoad() {
    self.context = createMainContext()
}
```