# SIMPLE IPHONE APPLICATION

- Creating an Xcode Project
- Using Interface Builder
- Model-View-Controller
- Declarations
  - Declaring instance variables
  - Declaring methods
- Making Connections
  - Setting connections to UIViews
  - Setting targets and actions
- Deploying an Application
- Application lifecycle
- Summary

# TARGET & ACTION DESIGN PATTERNS

- UIButton/UI Segment Control/UI Switch
  - Setting targets and actions
  - Implementing methods

# DELEGATE DESIGN PATTERN

- UITextField
  - What are protocols
  - Implementing delegate methods
  - Summary

# CORE LOCATION FRAMEWORK

- CLLocation & CLLocation Manager
  - Where am I application
  - Where am I application

# VIEWCONTROLLERS

- Model-View_Controller Design pattern
- Basics of ViewController
- LifeCycle of ViewControllers
- Types of ViewController
- Creation of ViewController
  - Using Interface Builder
  - Programmatically

# UINavigationController

- Basics of UINavigationController
  - UINavigationBar/UINavigationItem
- Creation of UIViewController
  - Using Interface Builder
  - Programmatically
- Summary

# UITABBARCONTROLLER

- Basics of UITabbarController
  - UITabbar
- Creation of UITabbarController
  - Using Interface Builder
  - Programmatically
- Summary

#UITABLEVIEW AND UITABLEVIEWCONTROLLER

- Basic of UITableView
- Creating of custom UITableView
- UITableViewCell
- Where am I application
- Creation of UITableViewController
  - Using Interface Builder
  - Programmatically
- Summary

# ADVANCE UITABLEVIEWCELL PROGRAMMING

- Basics of UITableViewCell
- Custom UITableViewCell
- Summary

# ADVANCE UITABLEVIEW PROGRAMMING

- Editing a UITableView
- Deleting/Moving/Inserting Rows
- Summary

# CAMERA

- UIImageView
- Getting Image from
  - Camera
  - Phone Library
- Summary
GESTURE PROGRAMMING
- Basics of Touch Events
- Responding to Touch Events
- Moving an Image View based on gestures
- Summary

ANIMATION PROGRAMMING
- UIView Animation
- Basics of layers
- Layer Animation
- Summary

PLAYING AUDIO AND VIDEO
- Playing Audio Files
- Playing Video Files
- Audio/Video Recording
- Summary

NOTIFICATION AND ROTATION
- NotificationCenter
- UIDevice Notifications
- Custom Notifications
- Summary

DATASTORAGE
- Different types of Storages
- NSUserDefaults
- Sqlite
- Files
- Store Data

NSUSER DEFAULT
- Storing data in NSUserDefaults
- Access data from UserDefaults

UITableView and UITableViewController
- Basics of App SandBox
- Writing data to files
- Reading Data from files

SQLITE PROGRAMMING
- Basics of DML
- Integration of Sqlite into Apps

XML PROGRAMMING
- Basics of XML Structure
- XML Parsing

THREADING
- Basics of Thread Programming
- Create Custom thread to fetch data from url

WEBSERVICES
- Basics of Webservices
- Simple RSS Reader App
  - Fetching data from URL
  - XML Parsing
  - Integrate with UI

CORE DATA
- Basics of Core Data
- Store/Retrieve data using core data framework
- Build Sample app using core data
- Summary

APP STORE BASICS
- Overview of Developer/Provisional certificates
- Prepare App store build

IPAD BASICS
- Overview of iPad Application
- UIPopover Controller
- UISplitView Controller

MEMORY MANAGEMENT TOOLS

MAPKIT FRAMEWORK
- Overview of map kit programming
- Where am I app

ADDRESSBOOK FRAMEWORK
- Overview of AddressBook API
- Summery

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