

Appcelerator University (AppU)

Lesson Syllabus - Level 200



Build Native Apps Using Titanium I

UI and Interaction Fundamentals

Duration: 2-3 hours

In this lesson, you will learn how to compose a Titanium application's user interface. You'll learn how to use foundational UI components and techniques, and begin to understand how real Titanium apps come together. Demos and code walkthroughs from the Kitchen Sink.

In this lesson, you will:

- Learn how to compose application user interfaces
- Use key native UI components
- See UI components in action
- Explore techniques for organizing UI code

Working with Remote Data

Duration: 1 hour

In this lesson, you will learn how to interact with remote web services and assets. Integrate server-side data with your desktop or mobile app to create compelling web-connected experiences. Demos and code walkthroughs of Kitchen Sink and Noteorious.

In this lesson, you will:

- Make HTTP requests for remote data
- Interact with SOAP and ReST based web services
- Process XML and JSON data from web services
- Upload files to a web service

Working with Local Data

Duration: 1 hour

In this lesson, you will learn how to interact with local databases and the device's local filesystem. You will learn how to persist data of varying types both in SQL or special locations of a mobile device's file system space. Demos and code walkthroughs of the Kitchen Sink and Local Todo List.

In this lesson, you will:

- Use SQL to interact with a database synchronously or asynchronously
- Read, write, and remove files on the file system
- Download and store files from the internet
- Understand where and how files are stored on your target platform

Build Native Apps Using Titanium II

Social Network Integration

Duration: 1 hour

In this lesson, you will learn how to interact with popular third party social networking services in mobile applications. You'll also learn about the Yahoo! Query Language (YQL), which is built in to Titanium Mobile, and how you can leverage YQL to access data from many different sources through a standard SQL-like interface. Demos and code walkthroughs for Kitchen Sink and Y! Search.

In this lesson, you will:

- Leverage built-in support for Facebook Connect
- Consume Twitter data using HTTP Basic authentication
- Use YQL to access dozens of Yahoo! and third party services
- Mash up data from several sources in a single application

Using Rich Media

Duration: 1 hour

In this lesson, you will learn how to incorporate several different media types in Titanium applications. You will also learn how to capture and use media on mobile devices. Demos and code from Kitchen Sink and AR Demo.

In this lesson, you will:

- Learn how to package and use local audio, image, and video files
- Stream remote audio or video
- Leverage rich media for augmented reality

Location Aware Applications

Duration: 1 hour

In this lesson, you will learn how to leverage a mobile device's GPS, compass, native maps, and location-aware web services to create compelling location aware apps. Demos and code from Y! Local Search and Kitchen Sink.

In this lesson, you will:

- Use native mapping components
- Leverage GPS and monitor a user's position in the world
- Use a compass to capture heading information
- Leverage location aware web services, like Yahoo! Local Search

Developing for the iPad

Duration: 1 hour

In this lesson, you will explore iPad specific APIs and techniques for developing apps for Apple's new tablet computer. We will explore unique UI components, techniques for utilizing available screen real estate, and developing apps for both iPad and iPhone. Ralph Lauren Demo?

In this lesson, you will:

- Explore iPad UI components
- Discuss the overlap between iPad and iPhone applications
- Explore more iPad specific APIs and techniques