



Day One

15 minutes

Introductions

30 minutes

Introducing the Course

- About the Course
 - Reviewing the Course Objectives
 - Reviewing the Course Prerequisites
 - Reviewing the System Requirements
 - Improving Productivity with Chrome Plugins
 - Reviewing the Class Project
 - Reviewing the Data Schema
 - Reviewing the Application
- Exercise 1-1: Meeting the Prerequisites (15 min)*

290 minutes

Getting Started

- Using HTML5 and Lightning Components to Develop Apps
Your Turn 2-1 (10 min): Reviewing Available Components
- Getting Started with Lightning Development
Your Turn 2-2 (15 min): Creating and Deploying a Lightning Component
- Theming Components with CSS
Your Turn 2-3 (15 min): Theming a Lightning Component
- Defining and Manipulating Component Attributes
Your Turn 2-4 (30 min): Working with Component Attributes
- Handling System and User Events
Your Turn 2-5 (15 min): Handling Events
- Debugging and Troubleshooting Your App
Your Turn 2-6 (15 min): Debugging your Code
- Working with Apex
Your Turn 2-7 (20 min): Working with Apex
- Using Base Lightning Components
Your Turn 2-8 (30 min): Working with Base Lightning Components

15 minutes

Wrap Up



Day Two

145 minutes

Getting Started (*continued*)

- Raising and Handling Events
Your Turn 2-9 (45 min): Working with Events
- Using Lightning Data Service for CRUD Operations
Your Turn 2-10 (40 min): Using Lightning Data Service

180 minutes

Lab: Using Lightning Data Service

- Outputting Data from Lightning Data Service (40 min)
- Using Lightning Data Service CRUD Operations (45 min)
- Reading and Outputting Dynamic Data (30 min)

60 minutes

Documenting and Unit Testing Components

- Documenting a Component
Your Turn 3-1 (20 min): Documenting a Component
- Testing and Troubleshooting Apex
Your Turn 3-2 (15 min): Creating Unit Tests for Apex

15 minutes

Wrap Up



Day Three

210 minutes

Surfacing Lightning Components

- Surfacing Lightning Components
Your Turn 4-1 (20 min)
- Deep-Diving into Building Lightning Pages with Components and App Builder
Your Turn 4-2: Surfacing a Component in App Builder (35 min)
- Building Components for Lightning Experience Record Pages
Your Turn 4-3: Building Components for Lightning Experience Record Pages (30 min)
- Overriding Standard Actions with Lightning Components
Your Turn 4-4 (20 min): Overriding Standard Actions
- Defining a Lightning Application
Your Turn 4-5 (10 min): Creating a Lightning Application
- Using Lightning in Visualforce Pages with Lightning Out
Your Turn 4-6 (20 min): Surfacing Components in Visualforce Pages
- Installing and Using Components from AppExchange
Your Turn 4-7 (10 min): Using a Component from App Exchange
- Packaging Components for Distribution
Your Turn 4-8 (10 min): Creating an Unmanaged Package

200 minutes

Implementing Navigation and Layouts

- Using `<lightning:verticalNavigation>`
Your Turn 5-1 (45 min): Implementing Vertical Navigation
- Using `lightning:dataTable`
Your Turn 5-2 (35 min): Using `<lightning:dataTable>`
- Implementing Button Groups
Your Turn 5-3 (30 min): Using `<lightning:buttongroup>`

15 minutes

Wrap Up



Day Four

200 minutes

Implementing Navigation and Layouts (con't)

- Building Responsive Layouts
Your Turn 5-4 (20 min): Creating a Reponsive Layout
- Implementing Accordion Layouts
Your Turn 5-5 (30 min): Implementing an Accordion Layout

200 minutes

Building Advanced Components

- Accessing the Component Body
Your Turn 6-1 (50 min): Creating a Responsive Grid
- Defining Public Functions on Components
Your Turn 6-2 (25 min): Using Custom Events and Public Methods
- Implementing Toasts and Modal Notifications
Your Turn 6-3 (35 min): Implementing Notifications and Toasts
- Dynamically Instantiating and Destroying Component Instances
Your Turn 6-4 (30 min): Dynamically Instantiating Components
- Localizing Content
Your Turn 6-5 (20 min): Localizing Your Components
- Using Renderers
- Writing Device-Specific Code

15 minutes

Wrap Up



Day Five

275 minutes

Creating, Reading, and Updating Salesforce Records

- Implementing Forms
Your Turn 7-1 (20 min): Implementing Forms
- Implementing a Form using Custom Controls
Your Turn 7-2 (60 min): Implementing a Form using Custom Controls
- Validating Input Data
Your Turn 7-3 (30 min): Validating Form Data
- Viewing and Editing Salesforce Records
Your Turn 7-4 (75 min): Viewing and Editing Salesforce Records
- Waiting for Server Requests to Complete
Your Turn 7-5 (20 min): Displaying an Interstitial While Data is Loading

60 minutes

Getting Ready for Production (optional unit)

- Theming with Lightning Design Tokens
Your Turn 8-1 (15 min): Using Lightning Design Tokens
- Improving the Performance of Data Requests
Your Turn 8-2 (15 min): Caching Data
- Implementing Data Pagination