

Salesforce Lightning

Lesson 07: Migrating to Lightning Experience

Lesson Objectives

At the end of this lesson you will be able to understand:

- Lightning Apps
- Lightning App Builder
- Lightning Page Types
- Lightning Alternatives to Javascript Buttons
- Quick Actions



Lightning Apps

- App - An **app** is a collection of items that work together to serve a particular function
- Salesforce has
 - Classic Apps
 - Lightning Apps
- Lightning apps are created and managed in Lightning Experience
- It give your users access to sets of objects, tabs, and other items all in one convenient bundle in the navigation bar
- Lightning Apps let you brand your apps with a custom color and logo, include a utility bar and Lightning page tabs

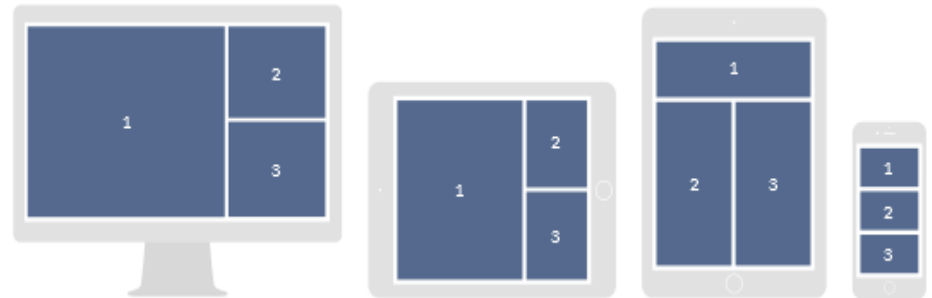
Lightning App Builder

- It helps us build responsive apps and custom pages for Lightning Experience and the mobile app
- It is a point-and-click tool that makes it easy to create custom pages for the Salesforce mobile app and Lightning Experience, giving your users what they need all in one place

Lightning App Builder

With the Lightning App Builder, you can build:

- Single-page apps
- Dashboard type apps
- Point apps to solve a particular task
- Custom record pages for your objects
- Custom Home pages



Lightning Page:

- It is a custom layout that lets you design pages for use in the Salesforce mobile App
- It is composed of regions that contain components
- The structure of a Lightning page adapts for the device it's viewed on.
- The template you choose when creating the page controls how it displays on a given device.
- The Lightning page's template divides the page into regions

Lightning Components on Lightning Page

- Lightning component is a compact, configurable, and reusable element that you can drag and drop onto a Lightning page in the Lightning App Builder

Lightning Page support:

- Standard Components
- Custom Components
- Third party components

Lightning Page types

- App Page
- Home Page
- Record Page

Lightning Page Types

App Page

- Used to create a home page for a third-party app
- It can be added directly into Salesforce mobile app and Lightning Experience navigation menus
- It can be used to have quick access to most important objects and items

Home Page

- This can be created for specific users to access relevant features
- You can assign customized pages to different apps or app-and user-profile combination
- Custom home pages are supported in lightning app only

Record Type

- This helps you create customized version of an object's record page
- Supported in Lightning app only

Demo

Create

- App Page
- Home Page and
- Record Page



Lightning Alternatives to JavaScript Buttons

- Javascript button and links are type of actions in Salesforce classic UI
- It lets you create inline JavaScript code that can be invoked via a button or link embedded on a record or list page
- Javascript button are not supported in Lightning experience because of security challenges
- We have an alternative to Javascript buttons
 - They are mobile and lightning friendly

Javascript Buttons

Security Issues

- the components have access to each other's data
 - access to any client-side API
 - shared access to the window and event structures
 - cross-component access could lead to security and regulatory issues
-
- **Inline Javascript problems**
 - it has full access to the Document Object Model (DOM) and Browser Object Model (BOM)
 - a programmer can add, change, or delete almost anything found in an HTML or XML document
 - with Cross Site Scripting (XSS), malicious actors can gain access via JavaScript to the DOM
 - hackers can use XSS to inject malicious client-side code into the web pages
 - hackers can then harness a user's session and cookies to run scripts to extract data

Lightning Locker

It makes lightning components more Secure

It uses various technologies and techniques that are intended to prevent:

- XSS and similar security issues
- Unrestricted DOM access
- Calls to undocumented/private APIs

Javascript Buttons

Javascript Buttons are used to :

- Validate fields—ensure that values are populated and/or meet criteria
- Prefill values based on inputs in other fields
- Redirect to a Visualforce page based on input values
- Display confirmation pop-up screens
- Create records with prepopulated values
- Trigger flows built in Flow Builder
- Call out to Salesforce or external APIs
- Integrate with third parties
- Perform mass actions on records in a list
- Direct methods and procedures via feedback pop-up screens for users



Javascript Buttons to Lightning Alternatives

Java Script Buttons

Validate fields

Create records with prepopulated values

Redirect to a record page

Prefill values based on inputs

Third-party integration

Lightning Alternatives

Quick Actions, Apes Triggers

Quick Actions

Custom URL buttons

Lightning actions

Lightning actions



Quick Actions

- support many of the common uses of JavaScript buttons
- based on a specific object or can be global
- They can do following things
 - Validate field values
 - Prepopulate Fields with Values

Summary

- Creating Lightning Applications using Lightning App Builder
- Lightning Page types like – App Page, record Page and Home Page
- Problems with Javascript Buttons are taken care by alternatives like Quick actions





People matter, results count.

This message contains information that may be privileged or confidential and is the property of the Capgemini Group.
Copyright © 2017 Capgemini. All rights reserved.

Rightshore® is a trademark belonging to Capgemini.

About Capgemini

With more than 190,000 people, Capgemini is present in over 40 countries and celebrates its 50th Anniversary year in 2017. A global leader in consulting, technology and outsourcing services, the Group reported 2016 global revenues of EUR 12.5 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, [the Collaborative Business Experience™](#), and draws on [Rightshore®](#), its worldwide delivery model.

Learn more about us at

www.capgemini.com

This message is intended only for the person to whom it is addressed. If you are not the intended recipient, you are not authorized to read, print, retain, copy, disseminate, distribute, or use this message or any part thereof. If you receive this message in error, please notify the sender immediately and delete all copies of this message.