



# LWC

## *Course Overview*

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# Introduction

Welcome to "**LWC Tutorial with Hands-on Project Development**" digital course.

**In this course** I have covered complete syllabus of Salesforce Lightning Web Component framework with real-time project example **step-by-step** for beginner to advanced level.

Where you will be learn **advanced technical** scenarios based on live demo projects **example of LWC** in Salesforce.

**This course** is intended for developers who want to learn how to use the Lightning Web Components framework to build **custom user interfaces** on the Salesforce platform.

**It is suitable** for developers who have experience with JavaScript and web development, and want to learn how to use the **Lightning Web Components** framework to build modern, reactive user interfaces that can be easily integrated into Salesforce.

It is **also suitable** for experienced Salesforce developers who want to learn how to use the **Lightning Web Components** framework to build more efficient and scalable user interfaces.

I have **taken care** of who are brand new to start Salesforce Career as a developer and want to **grow their Career** in Salesforce development.



# *What You Will Learn*

- ✂ What is Lightning Web Component framework?
- ✂ LWC Folder and File Structure
- ✂ Live Project with complete source code built on LWC
- ✂ Nested/Component composition
- ✂ Component life cycle and event best practices
- ✂ Introduction SLDS and various resources
- ✂ Communicate between components using Events
- ✂ Uses of Navigation Services in LWC
- ✂ Lightning Data Services to get Salesforce data in LWC
- ✂ Useful JavaScript Properties in lightning component
- ✂ Use Wire services to access data in LWC
- ✂ Mechanism to Debug your lightning web component
- ✂ Complete access to source code for practice
- ✂ Ways of accessing salesforce resources in LWC
- ✂ Set up development environment & CLI command
- ✂ Aura Components vs Lightning Web Components



# *Real time Scenarios*

- ✦ **LWC Setup** Visual Studio Code for Lightning Web Component
- ✦ How to create Project and **Connect to VS Code** to Salesforce?
- ✦ How to create a LWC Component and **Deploy** to Salesforce?
- ✦ **Display User** Personal Information and Pass the JavaScript Attribute value into LWC Component.
- ✦ **Decorators** Variables in LWC
- ✦ How to use **@wire** Decorators in LWC?
- ✦ How to **fetch all** the related list of record in LWC?
- ✦ How to use **@wire** decorator in the Lightning Data Service?
- ✦ **Data Binding** in Lightning Web Component
- ✦ How to use **querySelector** to Select an element in LWC?
- ✦ How to use **querySelectorAll** to Select all elements in LWC?
- ✦ How to pass value from **child** to **parent** in LWC?
- ✦ How to Apply **if-else** condition in LWC?
- ✦ How to show list of records using **foreach loop** using Imperatively Method in LWC?



# *Real time Scenarios*

- ✚ How to apply custom **style CSS** in LWC through JavaScript?
- ✚ How to display dynamic **toast** message in LWC?
- ✚ How to display **Modal Popup** in LWC?
- ✚ How to Insert a record and **navigate** to record detail page in LWC?
- ✚ How to **Insert** an Account record Using Apex Class in LWC?
- ✚ How to Create Dynamically **Form Validation** of required field in LWC?
- ✚ How to Create custom lightning **spinner** in LWC?
- ✚ How to Insert **Edit/Update** the records using data service in LWC?
- ✚ How to use **custom event** & **dispatch event** in LWC?
- ✚ Insert Contact **automatically** whenever Account is created using LWC object Apex
- ✚ How does **variables** work in JavaScript.
- ✚ Difference between **Object** and **JSON** in JavaScript
- ✚ **Data types** in JavaScript



# *Real time Scenarios*

- ✚ **QuerySelector** and **QuerySelectorAll** in JavaScript
- ✚ Event and **Event Listener** in JavaScript
- ✚ Event Propagation and **Custom Event** in JavaScript
- ✚ **setTimeout** and **setInterval** in JavaScript
- ✚ How to navigate new **record** page in LWC
- ✚ How to navigate **recent List** View in LWC
- ✚ How to navigate **Home** Page in LWC
- ✚ How to navigate **Chatter Page** in LWC
- ✚ How to navigate **File Object** in LWC
- ✚ Navigate to record in **view mode** and **edit mode** page in LWC
- ✚ How to navigate **custom Tab** in LWC
- ✚ Navigate to **Record Relationship** page in LWC
- ✚ Navigate to **External Web** Page in LWC
- ✚ Navigate to **LWC** Page in Salesforce LWC
- ✚ How to Navigate to **Aura Component** in LWC
- ✚ Navigate to **Visualforce** Page in LWC



# *Real time Scenarios*

- ✚ How to Communicate between **Child** to **Parent** in LWC
- ✚ Communicate between Child to Parent component using **CustomEvent** with object data in LWC
- ✚ How to Communicate between **Parent** to **Child** component **using primitive data** type in LWC
- ✚ How to Communicate between **Parent** to **Child** component using **none primitive (Object) data** type in LWC
- ✚ How to Communicate between **Parent** to **Child** through **Action Button** in LWC
- ✚ Internal CSS, Inline CSS, and **Dynamic CSS** in LWC
- ✚ **Lifecycle Hooks** with real time example in LWC
- ✚ **Lifecycle Hooks** in Discunconnected Callback and Error Callback function in LWC
- ✚ **PubSub Model** to Communicate with one Component to another Component in LWC
- ✚ How to navigate new **record page** in LWC
- ✚ How to navigate recent **List View** in LWC



# *Real time Scenarios*

- ✚ How to navigate **Chatter** standard Object Detail Page in LWC
- ✚ How to navigate **File** standard object list view in LWC
- ✚ Navigate to record in **view mode** and edit mode page in LWC
- ✚ How to navigate **custom Tab** in LWC
- ✚ Navigate to **Record Relationship page** in LWC
- ✚ Navigate to **External Web Page** in LWC
- ✚ Navigate to **LWC Page** in Salesforce LWC
- ✚ How to **Navigate to Aura** Component in LWC
- ✚ Get the Quote **Owner's Manager's Name** in LWC
- ✚ How to **add and delete rows** dynamically in LWC
- ✚ How to **insert lookup field** in salesforce using apex framework in LWC
- ✚ Create **Account related Contacts** automatically uses of LWC Apex Framework
- ✚ **Search between two dates** and get the all records in LWC





# *Real time Scenarios*

- ✚ Pass dynamic recordId and **display current record** based on Record Id in LWC
- ✚ **Wrapper Class** to retrieve list of records of Opportunity in LWC
- ✚ **Split and display** multiple picklist value into single dropdown value in LWC
- ✚ How to create **horizontal** tabs uses of **selected radio group** button value in LWC
- ✚ Get Current Position **Latitude and Longitude** of Google Map in LWC
- ✚ How to display **dynamic toast message** with custom button functionality in LWC
- ✚ How to **format today Date** in DD/MM/YYYY in LWC
- ✚ Create **vertical navigation bar** to display selected menus in LWC
- ✚ Get recordId and **display selected recordId** on the page on click button in LWC
- ✚ How to **reduce space** horizontally between label and input in LWC
- ✚ **Disabled all** of input field values dynamically based on button click in LWC



# *Real time Scenarios*

- ✚ How to **get custom metadata** record based on recordId without apex in LWC
- ✚ **Imperative** and **Wire** Service in LWC
- ✚ Create **button menu** with custom dropdown and display selected value in LWC
- ✚ Add dynamic **CSS inline class** add/remove, toggle and zoom-up/zoom-out in LWC
- ✚ How to create custom **dynamic pagination** in custom table using apex class in LWC
- ✚ How to display **toast** message with **hyperlink** and navigate to external URL in LWC
- ✚ Inline to **edit/save rows** of records and refresh the page after successful save
- ✚ Data service to get **current Contact** record details without Apex class in LWC
- ✚ Create **progress indicator bar** circular/ring or horizontal slider/range in LWC
- ✚ Create **lightning-card** container with custom tab functionality in LWC
- ✚ How to get selected **multiple picklist** value in LWC
- ✚ How to display **Google Map** using lightning-map element in LWC



# *Real time Scenarios*

- ✚ Navigate to **different page** types like Records, Lists, Visualforce, Tabs, Report
- ✚ Handle **multiple conditions** template if:true to check against two values in LWC
- ✚ How to access **multiple custom label** and static resource file in LWC
- ✚ How to Create **Account With Contact** In LWC
- ✚ How to **access static resource** image and display in LWC
- ✚ Display different type of **lightning helptext** message on mouse hover Icons LWC
- ✚ How to create **lightning-pill button** with remove dynamically functionality in LWC
- ✚ Create **Responsive Layout** Page Header, Footer, Left Sidebar, Right Sidebar in LWC
- ✚ Custom **lightning spinner** Show/Hide & Toggle on click button in LWC
- ✚ Apply **regex patterns** for Email, Phone & Pincode on custom form validation in LWC
- ✚ How to get **selected checkbox value** and display the selected value in LWC



# *Real time Scenarios*

- ✚ How to get **logged in User** Id, Name, Email, IsActive without apex class in LWC
- ✚ How to display different types of custom toast message **notifications** in LWC
- ✚ Get selected **radio button value** and checked default in LWC
- ✚ How to get **custom metadata record** through apex in LWC
- ✚ Create lightning-datatable with **Row Actions** in lwc
- ✚ Create custom **lightning-carousel slider** image in LWC
- ✚ How to **reset lightning input** field on button click in LWC
- ✚ How to **sort columns** in ascending and descending order in LWC
- ✚ How to create **custom accordion** section in LWC
- ✚ How to **upload multiple file** from LWC component to Salesforce
- ✚ How to create **range slider horizontal** & vertical and get slider value in LWC
- ✚ How to create **multiple levels vertical menus** with nested submenu in LWC



# *Real time Scenarios*



How to fetch **picklist values** without apex in salesforce LWC



How to **delete multiple** selected records with checkbox in LWC



# *Real time Scenarios*

