Lightning component development using LWC\_Day 5

Agenda:

Final requirements for Case study

R9. Implement “Display” functionality in the menu with below steps:

1. Create a component with name “trainingStatus” which should display buttons that indicate Training status as button group – (Scheduled, Delivered, Cancelled)
2. Create another component with name “trainingCards” which displays trainings in the organization as “cards” in UI.
3. Create another component with name “trainingDisplay” as container component which embeds above 2 components.
4. Access the “trainingDisplay” component from the “Display” menu in trainingsTab.

Wire frame will be as below:

Solution:

The data from the source component can be sent to the destination component using “messageChannels” of LWC framework where source component can “publish” the data into messageChannel and destination component can “subscribe” the data from the messageChannel to access the information to execute requirement.

This is equivalent to “Application Event” process in AURA components

This model is called “pub-sub” model where any component can publish data and other components will get the data while subscribing irrespective of relationships between the components.

**Additional Requirements (UAT requirements)**

R10: Client wants to insert new “Certification” or “Course” from the “Details” tab in the mobile app. Client is ok with using Salesforce standard pages for inserting records in the objects.

Solution:

Developer can define logic for loading of record from the standard page of the object by Navigating to the Object Page of salesforce and implement “New” action.

NavigationMixin from lightning navigation should be used for this requirement.

R11: Client wants to edit record from the table by clicking on edit option in the rows of the table. Here also, client is ok with Standard edit page for modifying the record.

Solution:

Add row actions on lightning data table and use NavigationMixin for opening edit page for changes.

R12: Client wants to add “delete” option also to the rows in the table and when the record is successfully deleted, display “custom message” on the screen confirming the transaction.

Solution:

Use “platform event” of salesforce “ShowToast” for displaying custom message.

R13: Client wants to have a welcome message when mobile application is getting launched from the devices. This message needs to be created as custom component which simulates salesforce “pop up” messages while working with standard pages in platform.

Solution:

Developer can use pre-defined SLDS stylesheet classes for creating component

* Slds-modal
* Slds-modal\_\_container
* Slds-modal\_\_header
* Slds-modal\_\_content
* Slds-modal\_\_footer

Stylesheet classes has standard naming conventions.

There are 3 types of section for which styling can be applied in HTML. They are:

BLOCK:

The entire tag that acts as child to the root tag of HTML

Stylesheet class name convention: <name>-<name> ex: slds-modal, slds-table, slds-align

ELEMENT:

Is the child tag of a specific BLOCK tag for setting styling for child elements

Naming conventions: <name>\_\_<name> ex: slds-modal\_\_header etc...

MODIFIER:

Is the tag that changes at runtime and renders in the UI

Naming conventions: <name>\_<name> ex: slds-backdrop\_open

R14: in the welcome box component, provide login information for the user and if the user has right credentials, app access should be given.

Solution:

Prepare a form with validations and provide access to the application.