

LWC: Access SF Data Assignment

You are working for a business that needs a **custom Account Management system** to interact with Salesforce records efficiently.

Your task is to develop a Lightning Web Component (LWC) that helps users retrieve, create, update, and delete Account records and their related Contacts.

The component will support both wire adapters and imperative Apex calls to handle dynamic behavior along with LDS.

Q1. Create an LWC that automatically fetches the **Contacts** related to an **Account** and displays them in a **data table format**. The table should include the **Id** field and any 5 other fields of your choice as columns

Q2. Add a **search input field** where users can search for **Contacts by name**.

1. Implement a functionality as, user will enter the value in search box, on basis of that contacts should get filtered out on click of “**Search Contacts**” button.
2. Display the results in the same data table as Q1, refreshing the data based on the search term.

Q3. In the data table, add 2 buttons for managing **Contact** records:

1. **Create Contact Record Button:**
 - a. When clicked, a form should open as popup where users can enter values for any 5 fields of a new Contact (e.g., **FirstName, LastName, Email, Phone, Title**).
 - b. Upon form submission, create the new Contact **related to the selected Account** and refresh the data table with the new Contact added.
2. **Update Account Record Button:**
 - a. When clicked, the form should pre-fill with the existing values for the selected Account's any 5 fields.
 - b. The user can modify these values and, upon form submission, update the Account record.

Q4. Create a component that displays Form for the Account object. Ensure that the form displays key fields such as Account Name, Account Number, Phone, and Website +6 fields of your choice. The form should allow users to view the details of an existing account.

Q5. Create a component that includes a read only Form for the Account object. This view should allow users to see the full details of an account without being able to edit any information.

Q6. Create Edit Form for the Account object. This form should enable users to update fields such as Phone, Website, and Address. Ensure that there are validation rules in place to prevent saving the record if any required fields are empty.

Note:

1. Use appropriate ways to interact with server
2. Compulsory use imperative apex method for Q3] 1. Create Contact Record
3. Compulsory user LDS's update method for Q3] 2. Update Account Record
4. Use Proper **styling** for user-friendly interaction and consistent UI-UX.