Candidate Programming Exercise

Assignment

Create a Lightning Web Component (LWC) to display selected fields from an Account and two separate tables of Contacts related to that Account. The component should be displayed on the Lightning Record Page for the Account object. Use standard Salesforce tools (LWC/Apex). The component should be able to display a dynamic list of fields that is defined by a variable in Javascript.

Example: Given the list below, load those fields.
var fieldList = [‘Name’, ‘CreatedDate’];

For this project, you will need Visual Studio Code and the Salesforce CLI installed to work in the scratch org we have provided. Salesforce Trailhead is a good resource for learning about Salesforce/LWC development.

Page Details

Account Detail Section

Account Name
Number of Employees
My Field (create a custom text field on the Account object)
Phone
Billing Street
Billing City
Billing State
Billing Postalcode
Display Total Number of Contacts (Not a field, will need to query for amount of related contacts)

Related Contacts Sections (2)

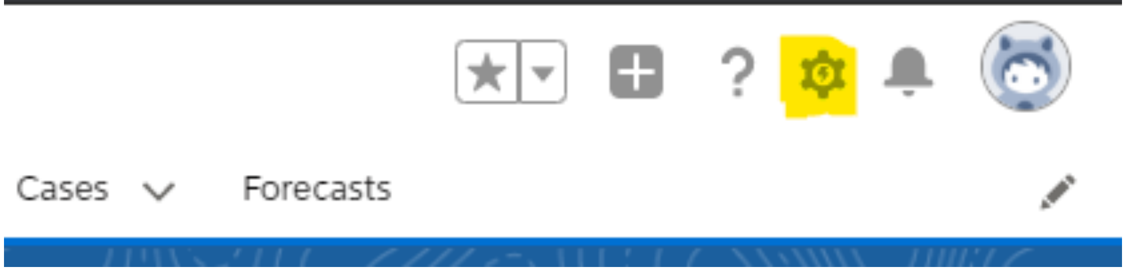
For both, display these columns: Last Name, Title
Table/List 1: Contacts with a ‘Customer Success’ Title
Table/List 2: Contacts with an ‘Application Developer’ Title

Summary

Add all code to the Salesforce organization to which you were provided credentials. Use the account provided in your email as you develop your solution; it has several associated Contacts with the Titles specified above.

Editing Lightning Record Page for Account

- Navigate to an account record from the Accounts tab
- Click the gear in the top right of the screen and select Edit Page



- Lightning Web Components should be available on the pane on the left side of the screen under Custom

Setting up a Local Salesforce Project

- sfdx force:project:create -n [PROJECTNAME]
- Change to new directory [PROJECTNAME]
- sfdx force:auth:web:login -r [INSTANCEURL] <this is the Salesforce URL of org created for you
- sfdx force:source:pull -u [USERNAME]
    - Open folder in VScode, you should see folder structure under force-app
    - You can create new components/classes and when ready to push to org…
    - HINT: if unfamiliar with Salesforce metadata conventions, you can create component directly in SF UI (ie, Setup>Develop>Apex Classes>New) and then run sfdx force:source:pull -u [USERNAME]
- sfdx force:source:push -u [USERNAME]