This exercise is comprised of four parts:

* CSS and HTML
* JavaScript
* Database Design
* Salesforce Development

**CSS and HTML**

In the ZIP file, you will find a css.html file. You should modify this file with the editor of your choice. When viewing the source you will see inline comments that list changes that should be made to this html file. Make the necessary changes and return the file.

**JavaScript**

In the zip file, you find a javascript.html file. You should modify this file with the editor of your choice. When viewing the source you will see inline comments that list questions to answer and JavaScript code to write. Answer all the questions inline, complete all the required code, and return this file.

**Database Design**

In the ZIP file, you will find a database.html file. You should modify this file with the editor of your choice. When viewing the source you will see inline comments that list questions. Answer all of the questions inline and return this file.

**Salesforce Development**

**Deliverables**

* Salesforce sandbox access

Sign up for a Salesforce Developer account here and perform the following work in this org:<https://developer.salesforce.com/signup>

Edit the Organization name to: Affirm Interview - {Your Name}

Once the work is complete, create a new user with the following and provide the credential to log in for review

* Github Repo

Provide an accessible link to the repo/branch that holds the components and documentations, for this assignment.

* Technical Documentation

Write-up on design considerations and assumptions, for this assignment and store in the Github repo.

*Part 1: Trigger*

Create a custom text field on the Contact object, Account\_Industry\_\_c. Create a Contact trigger that pulls the Industry field from the related Account and populates the Account\_Industry\_\_c field on the Contact every time a Contact record is created or updated.

Also, create a test class and unit tests for this trigger.

*Part 2: Lightning Web Component*

Create a Visualforce Page called: LWCDemo

Embed a Lightning Web Component in this Visualforce page that meets the following requirements:

* When the component loads, run the following query to fetch Accounts:

SELECT Id, Name FROM Account LIMIT 5

* Build a nice UI that displays the Accounts and lets the user select a single Account.
* When an Account is selected there should be CSS applied to indicate what Account is selected.
* There should be a Next button, when this button is clicked:
  + Fetch Id, Name, Industry, Type, Owner Name, Owner profile picture from the server.
  + This must be a separate query and not part of the original query that fetches Account Id and Name
  + Show a spinner/loading icon while this query/server call is executing
  + When data is received, display a nice UI showing the details of the selected record
  + A Back button should take the UI back to the list of Accounts