Phase 7: Integration & External Access

Objective: To connect the Salesforce application to an external system to fetch data in real-time, demonstrating advanced developer capabilities.

Key Activities & Outcomes:

1. **Mock API Creation: A mock API endpoint was created using the free online tool Beeceptor. This endpoint simulated an external credit bureau, providing a realistic JSON response containing a credit score when called.**

2. **Remote Site Settings Configuration: The mock API's URL was added to Salesforce's Remote Site Settings. This is a critical security step that "whitelists" the external URL, authorizing Salesforce to make secure HTTP callouts to it.**

3. **Apex Callout Class: An Apex class, CreditCheckService.cls, was written to handle the integration logic. This class contains a method that makes an HTTP GET request to the external API, receives the JSON response, and parses it into a usable format.**

4. **Lightning Web Component (LWC): A modern, custom user interface component, creditCheckButton, was built using LWC. This component features:**

   o **A "Fetch Latest Credit Score" button.**

   o **JavaScript logic to call the Apex method when the button is clicked.**

   o **A loading spinner to provide user feedback.**

   o **The ability to display the successfully fetched score or any error message.**

   o **The LWC was then added to the Loan Application record page for users to access.**

Supporting Evidence: LWC in Action

The screenshot below shows the custom "External Credit Check" *Lightning Web Component on the Loan Application page after it has successfully made a callout to the external API and displayed the fetched credit score.*