**Data Synchronization Project Plan**

**Part 1: Triangular Sync**

**Project Overview:**

This part involves synchronizing data between Salesforce, Stripe and Django application .

**Project Phases:**

**Phase 1: Setup Salesforce Integration**

1.1 Salesforce Outward Sync Extension

* Update the consumer to make API calls to both Salesforce and Stripe based on events.

**Phase 2: Inward Sync via Webhooks**

3.1 Salesforce Inward Sync

* Create a webhook endpoint in Django for Salesforce data.
* Implement a function to process data received from Salesforce webhook and call post api of stripe with that data .
* Call this function inside webhook endpoint of salesforce .

3.2 Stripe Inward Sync

* Implement a function to process data received from Stripe webhook (which was already present ) and call post api of stripe with that data .
* Call this function inside webhook endpoint of salesforce .

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**Part 2: Separate Sync**

**Project Overview:**

This part involves setting up separate data synchronization between Salesforce and Stripe using separate queues, producers, consumers, and endpoints.

**Phase 1: Outward Sync**

1.1 Salesforce Outward Sync

* Create a queue and Salesforce producer for outward sync.
* Implement an endpoint in Django to trigger the Salesforce producer.
* Create a Salesforce consumer to process the Salesforce queue.
* Modify the consumer to make API calls to Salesforce.
* Modify outward sync endpoint in django app to call trigger the producer of salesforce queue also

**Phase 2: Inward Sync via Webhooks**

2.1 Inward Sync API

* Set the already built inward sync endpoint ( which was already being used as a webhook instripe ) as a webhook for Salesforce also.

**Phase 3: Testing**

3.1 Testing

* Test the entire synchronization workflow for Salesforce and Stripe separately.
* Verify data integrity and synchronization for both platforms.