**Progress Report:**

**Introduction**

This document provides an overview of the tasks I have completed, along with a brief introduction about myself and my professional background.

**Profile**

* **Name**: Manjo
* **Designation**: Data Engineer
* **Manager**: Ishaan
* **Technologies**: Microsoft SQL Server, Stored Procedures, Azure Databricks, PySpark

This summary highlights my technical expertise and contributions in the field of data engineering.

**Tasks Completed**

1. **Database Table Creation**: Designed and created all necessary tables in the database as per the shared design.
2. **Data Generation**:
   * Collaborated with Ishaan to generate dummy data using Documentum.
   * Implemented the data setup in an Azure Databricks notebook.
3. **Code Refactoring**:
   * Refactored and modularized an existing notebook provided by Ishaan, which processes Documentum data into the submission table.
4. **Feature Understanding**:
   * Gained a high-level understanding of the drag-and-drop functionality through discussions and a knowledge transfer session with Ishaan.
5. **Stored Procedure (SP) Development**:
   * Developed two JSON-driven SPs for:
     + Insertion and parsing of data into the user upload table.
     + Fetching data with dynamic filters.
   * Created and demonstrated the functionality of these SPs in the development database.
6. **JobTrigger SP Refinement**:
   * Separated the JobTrigger SP functionality for standalone operation as per feedback.
7. **Requirement Analysis and Updates**:
   * Held discussions with Ishaan to understand changes in the flow requirements.
   * Refactored SPs to include all necessary conditional checks.
8. **Additional SP Creation**:
   * Developed an SP for inserting data into the submission table.
   * Created an SP to update the status of rows in the file details table.
9. **End-to-End Testing**:
   * Conducted comprehensive testing of the entire workflow for all SPs.
   * Validated the functionality of the SPs provided by Ishaan during the process.