Comprehensive Project Requirements Template

Part A: Strategic Overview

1. Project Goal & Objective

- **Primary Goal:** The purpose of this app is to help account executives at Snowflake accelerate the discovery or capture of all phases of machine learning workloads that their customers likely run outside of Snowflake today in other technologies.
- **Success Criteria:** Success is an intuitive, powerful streamlit in Snowflake application that allows account executives to upload pdfs, documents, or audio files (.mp3 only) and Snowflake provides pointed feedback on how to proceed from a competitive perspective, compute upside, and thoughts on short term vs. long term strategy.

2. Target Audience

- **End-Users:** Account executives at Snowflake who are not technical but work with solution engineers who are.

3. Persona, Voice, & Tone (for any generated text)

- **AI Persona:** A helpful AI assistant that's goal is to give guidance on advancing Snowflake's share of the ML lifecycle with this particular customer. They should give ideas on takeouts, pocs, things to avoid based on the notes, things to go after based on the notes.
- **Tone:** Professional but friendly

Part B: Technical & Application Specification

4. Core Application Functionality

- **High-Level Description:** An app that allows a user to upload notes (copy and paste text, pdfs, .docx,, .mp3), parses that information or transcribes if audio, then gets AI generated feedback on next steps to win this workload, conduct additional discovery, near term and long term strategy

5. Cortex AI Integration

- **Cortex Function(s) to Use:** PARSE_DOCUMENT, AI_TRANSCRIBE (in preview, but documentation present here https://docs.snowflake.com/LIMITEDACCESS/ai-transcribe), AI_COMPLETE, AI_CLASSIFY, SUMMARIZE (link to all of these https://docs.snowflake.com/user-guide/snowflake-cortex/aisql)

6. Data Requirements

- **Snowflake Source Data:**
    - May need to create data in snowflake based on two provided files that are in google slides / and or pdfs
    - These files contain the source material by which you would base your recommendations
    - One has success stories at other customers - "Snowflake ML - External Customer Stories"
    - The other contains the training materials given to account executives that precede this helper app that would be the takeaway - "AI ML 101 for AEs"

7. Streamlit UI/UX Specification

- **Application Layout:** I trust your judgement on how to lay this out
- **Required Widgets:** Use all popular streamlit components and also make it fun/interactive by leveraging some components here, specifically streamlit lottie and streamlit pills.
  https://medium.com/@ericdennis7/5-components-that-beautify-your-streamlit-app-79039f405ae1
- **User Flow:** 1. User opens the app. 2. User has the ability to upload document, pdf, mp3, paste in text, or select boxes based on what they know about the customer in addition to the notes since you may not get full picture there. 3.User then gets feedback in a report style format.

Part C: Final Output & Constraints

10. Desired Final Output Format

- **Deliverable:** A snowflake in streamlit app along with any setup scripts I need to run in Snowflake

11. Constraints & Boundaries

- **Rules to Follow:** Decide on a structure to use for the output and make the cortex generated content is repeatable in that structure