**TAOA - User Flow**

This document outlines the step-by-step user journey within the TAOA application, from initial access to rejection analysis and document management.

**1. User Authentication**

Objective: Secure user access to application features.

1. Login / Register:

* Users are required to either sign in to an existing account or create a new account to gain access to any application functionalities.

**2. Application Data Retrieval**

Objective: Obtain essential patent application and rejection information.

1. Option 1: Fetch by Application Number
   * The user inputs a specific application number into a designated field.
   * The system utilizes the USPTO API to retrieve all relevant application data, including historical rejections, associated with that number.
2. Option 2: Upload Rejection Document
   * The user uploads a rejection PDF document.
   * The system automatically parses the uploaded document to extract and categorize all rejection data contained within.

**3. Rejection Data Processing & Application Documents**

Objective: Consolidate and prepare rejection data for analysis, and gather necessary claim and reference documents.

1. Once application data is successfully fetched or uploaded:
   * All rejections associated with the application are presented in a clear, sortable list.
2. Application Document Acquisition (Conditional):
3. If it is the first rejection for the application:
   * The system will directly fetch the latest claim file from USPTO using the SERP API.
   * Concurrently, the system will attempt to fetch prior art and subject description from USPTO.
   * Failure to retrieve any of these (latest claim, prior art, or subject description) will prevent the user from proceeding to the next steps.
4. If it is NOT the first rejection for the application:

* The user is prompted to upload the latest claim file.

**4. Docket Management**

Objective: Initiate or resume analysis for specific rejections.

1. For each rejection identified as either 102 (Anticipation) or 103 (Obviousness), the following options are displayed:
2. "Begin Analysis" Button:
   * + Condition: This button is displayed only if no docket currently exists for that specific rejection.
     + Action: Clicking this button creates a new docket, allowing the user to commence the analysis process for that rejection.
3. "View Analysis" Button:

* Condition: This button is displayed if a docket already exists for that specific rejection.
* Action: Clicking this button navigates the user directly to the existing docket details, enabling them to continue or review the ongoing analysis.

1. Post-Docket Initiation:

* After a user begins analyzing a rejection, they are presented with 5 distinct options for different types of analysis, tailored to the rejection type. (Specific analysis options would be detailed in a subsequent flow).

1. Analysis Completion & Options:
2. Upon successful completion of the rejection analysis:
   * The user has the option to "Reanalyze" the rejection, allowing for further refinement or alternative approaches.
   * The user can also "Download the Amended File", presumably the outcome of their analysis and modifications.

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**5. Application History**

Objective: Provide a centralized view and management portal for all user applications.

Users can access and manage all their applications through a dedicated "Project History" button, typically located in the sidebar of the application interface. This section allows users to view the status, dockets, and progress of all their past and ongoing patent application analyses.