### Legal Document Review Workflow

#### 0. Create Experts from Document

\* Input: Source document

\* Objective: Generate a list of experts relevant to the document content

\* Steps:

\* Identify key themes and topics in the document

\* Match each topic with domain-specific experts (legal, technical, financial, etc.)

\* Create expert profiles based on the topics detected

\* Output: List of experts to be consulted

#### 1. Iterate Through Experts

\* Input: Legal document + expert list

\* Objective: Collect domain-specific reviews

\* Steps:

\* For each expert:

\* Send the document or section to the expert

\* Request a detailed review

\* Store the review content

\* Output: List of expert reviews

#### 2. Detect the Experts' Responses Language

\* Input: Expert reviews

\* Objective: Determine the language for analysis and output

\* Steps:

\* Detect the dominant language in the expert responses

\* Ensure consistency across all reviews

\* Set the language to be used in final output

\* Output: Detected language string

#### 3. Analyze the Reviews

\* Input: All expert reviews

\* Objective: Produce a comprehensive analysis

\* Steps:

\* Synthesize the main points and critiques

\* Identify recurring concerns or ambiguities

\* Highlight any legal or structural inconsistencies

\* Output: Structured analysis string

#### 4. Generate Suggestions

\* Input: Analysis output

\* Objective: Produce actionable improvements

\* Steps:

\* Convert insights into concise and relevant suggestions

\* Ensure each recommendation directly addresses an issue

\* Write all suggestions in the detected language

\* Output: List of actionable suggestions

#### 5. Build the Final Response

\* Input: Language, analysis, and suggestions

\* Objective: Structure the final output

\* Output JSON format:

```json

{

"language": "<detected document language>",

"analysis": "<string with your analysis>",

"suggestions": [

"<suggestion1>",

"<suggestion2>",

"..."

],

"message": "Markdown message addressing the general guidance user info if present, otherwise instruct the user to read the suggestions section for further details."

}

```