### **Proposal Generator (Proposal\_writing\_tab) Script Analysis**

This table breaks down the functions responsible for generating the final sales proposal, displaying progress to the user, and providing the downloadable document.

| **Function/Method Name** | **Location of the API/Function** | **Input Parameters** | **Output [Datatype]** | **Comments** |
| --- | --- | --- | --- | --- |
| render\_template\_preview | proposal\_writing\_tab.py | template\_name: str, template\_key: str | str (HTML) | A UI utility function that returns a hardcoded block of HTML to display a static visual preview of a proposal template. **Note: This function is defined but not called in the main generate\_tab workflow provided.** |
| get\_presentation | SalesProposalWriting\_Agent.src.main | client, seller, project\_specs | (str, str) (HTML content, file path) | **(External Agent Call)** The core backend function that takes all the collected client, seller, and project data and uses an AI agent to generate the full sales proposal as an HTML string. |
| inline\_editable\_html\_component | SalesProposalWriting\_Agent.src.main | output\_file (HTML string) | str (HTML) | **(External Agent Call)** A utility that likely wraps the generated HTML with additional code (e.g., JavaScript) to make the content directly editable within the Streamlit UI. |
| generate\_pdf\_from\_html | SalesProposalWriting\_Agent.src.main | html\_content: str, output\_dir: str, base\_filename: str | str (PDF file path) | **(External Agent Call)** A utility that takes the final HTML content and converts it into a PDF file, saving it to the specified output directory. |
| render\_preview\_tab | proposal\_writing\_tab.py | client\_data, seller\_data, project\_specs | None | The primary UI function for this tab. It orchestrates the entire generation process: <br> 1. Displays a progress bar and status text to the user. <br> 2. Calls get\_presentation to generate the proposal. <br> 3. Calls generate\_pdf\_from\_html to create the PDF. <br> 4. Saves the resulting file paths into st.session\_state. <br> 5. Displays a success message and a "Download PDF" button. |
| generate\_tab | proposal\_writing\_tab.py | client\_data, seller\_data, additional\_specs | None | **The main entry point for the tab.** This function acts as a wrapper that applies CSS and calls render\_preview\_tab to execute the main logic. |