

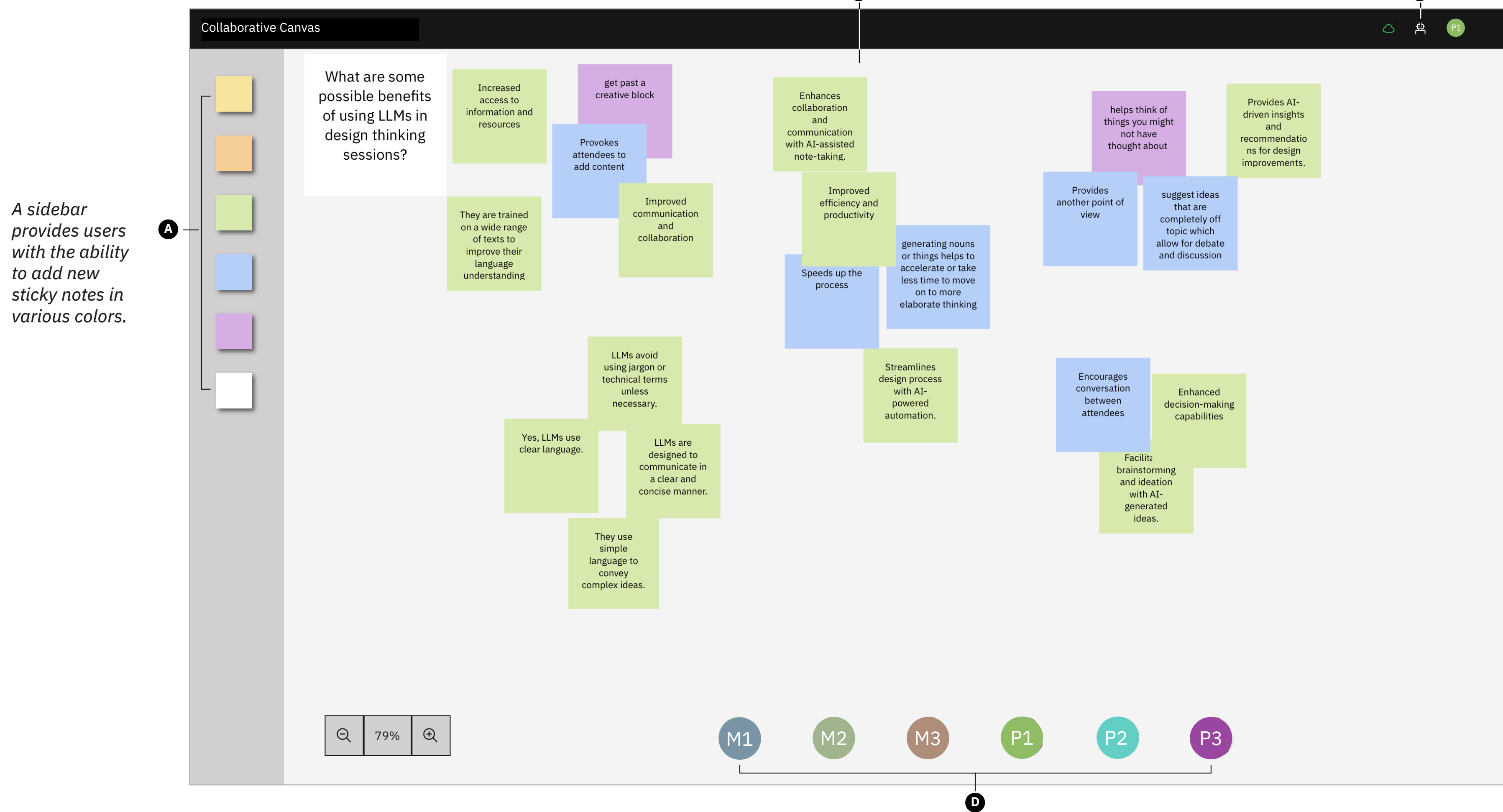
Collaborative Canvas: A Tool for Exploring LLM Use in Group Ideation Tasks

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The shared canvas provides a space for multiple users to add, remove, and position virtual sticky notes.

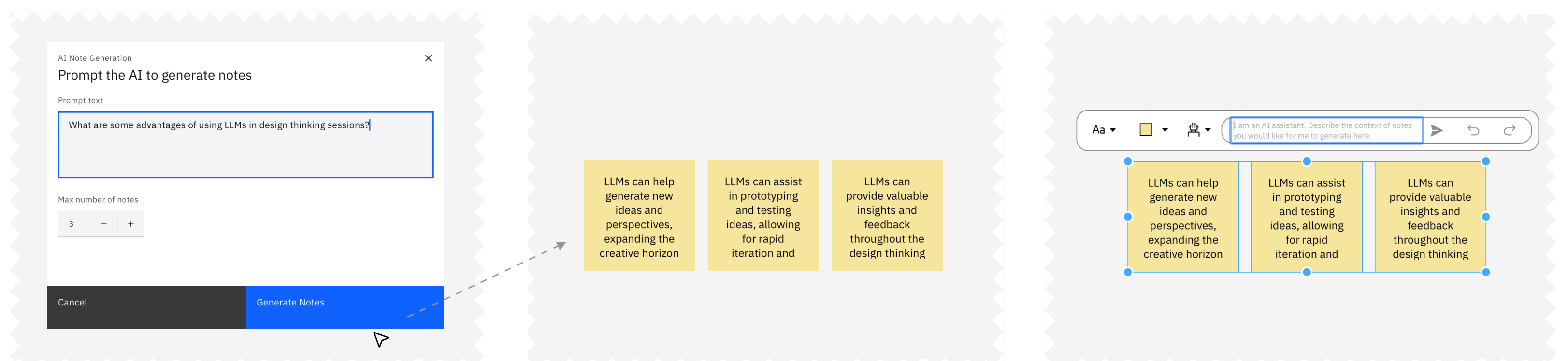
A private note generation panel can be revealed (see below)



A sidebar provides users with the ability to add new sticky notes in various colors.

User profile images represent concurrent users of the canvas

Generative AI capabilities within the shared canvas

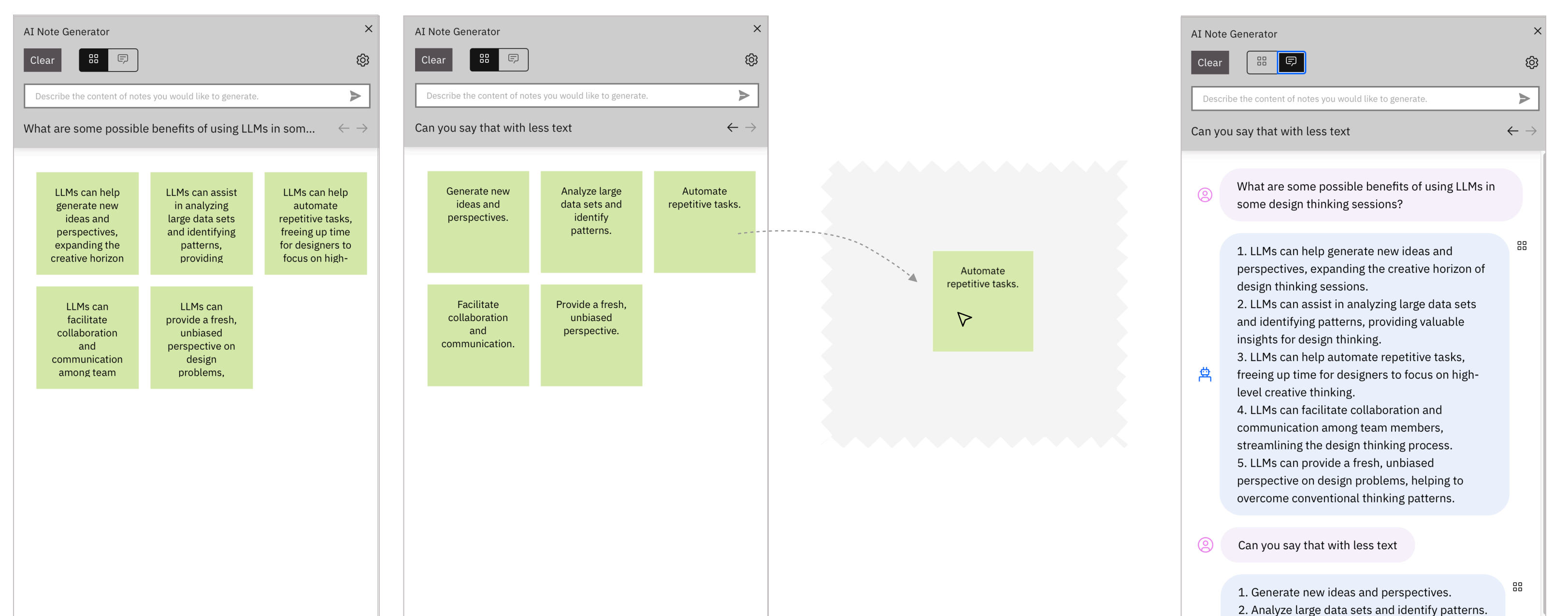


1. By right-clicking on the canvas and choosing "Generate" from the contextual menu, a user can access a dialog for generating sticky notes. The dialog allows the user to specify their prompt and the number of sticky notes to generate.

2. After clicking "Generate Notes," the AI creates new sticky notes in the shared canvas (with an interstitial animation to hide LLM inference latency).

3. When selecting one or more sticky notes, a pop-up toolbar allows users to re-generate the selected sticky notes with a new prompt. In this way, users are able to make refinements to their own (or generated) sticky notes, such as "provide a condensed summary" or "come up with new ideas."

Private panel for generating and selecting ideas prior to sharing



1. A private panel, visible only to the user, provides a separate space to prompt the LLM and generate new sticky notes prior to sharing with others on the canvas.

2. The current state of the panel is preserved between subsequent prompts, so a user can iterate on previously generated sticky notes with prompts such as "say that with less text."

3. Users can choose sticky notes in their private panel to share with the group by dragging them from the panel to the shared canvas.

4. Users can view their progressive prompts and regenerated responses in a chat-like sequential view. Users can click on the arrows to navigate to previously generated notes.