

## Usability Evaluation Report

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Project Realtime whiteboard drawing

No	Heuristic	Description of the Issue	Screenshot	Severity	Suggested Improvement
1	H1-1: Simple & natural dialog	1.1 The drawing screen opens as a blank canvas with no initial guidance (onboarding) for new users		1	Add a small hint like "Select a tool to start drawing" or a tooltip for first-time users.
	H1-1: Simple & natural dialog	1.2 Cursor doesn't represent brush size and shape		1	Change the cursor's size and shape to resemble the brush
	H1-1: Simple & natural dialog	1.3 Frontpage lacks first time user guidance		1	Use ready made onboarding React-libraries (reacttour/NextStep.js)
2	H1-2: Speak the users' language	No issues found: design is very minimal		0	
3	H1-3: Minimize users' memory load	3.1 Some icons use outline style, others use filled style		2	Add tooltips: Language, Setting
4	H1-4: Consistency	4.1 Tool icons (language selection, setting) have no labels, so users may not remember their functions.		1	Use a unified icon set
	H1-4: Consistency	4.2 Avatar selection is implemented in a way that is not commonly found in other applications		2	Implement a better selection method e.g. small avatar icons in a grid view
	H1-4: Consistency	4.3 User information is not displayed consistently across pages		2	Username and email should be visible on the homepage like how it is on the board screen
5	H1-5: Feedback	No issues found.		0	
6	H1-6: Clearly marked exits	6.1 The app lacks a clear and dedicated "Clear All Board" function. Users cannot easily erase the entire canvas intentionally, which may lead to accidental confusion or the inability to start fresh		2	Add a distinct "Clear All Board" button or menu option. Include a confirmation dialog: "Are you sure you want to clear the entire board for everyone?" to prevent accidental deletion.
		6.2 Drawboard has no clear exit button		2	Add "Home" -button to canvas' sidebar

7	H1-7: Shortcuts	7.1 There are no keyboard shortcuts for quick actions like Undo, Redo, or selecting Brush/Eraser		3	Add shortcuts: Ctrl+Z (Undo), Ctrl+Shift+Z (Redo), B (Brush), E (Eraser)
8	H1-8: Precise & constructive error messages	No issues found.		0	
9	H1-9: Prevent errors	9.1 Clicking "Leave board" icon, exits the board immediately without confirmation		3	Show a confirmation dialog: "Are you sure you want to leave this board?"
	H1-9: Prevent errors	9.2 Joining boards has no additional confirmation		3	Add confirmation modal for joining boards in case of user misclicks
10	H1-10: Help and documentation	10.1 There is no Help section or guidance for basic operations, especially for new users			Add a Help modal