






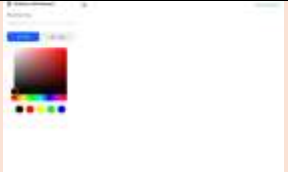


Usability Evaluation Report

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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 (reactour/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 |

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| 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 |