Black Box Testing Plan

Test Cases Overview

Test Case ID	Feature	Test Description	Input	Expected Output / Behavior
TC01	Freehand Drawing Tool	Draw freely on canvas	Mouse drag on canvas	Line is drawn following cursor
TC02	Eraser Tool	Erase part of drawing	Select eraser and drag	Line is removed where dragged
TC03	Fill Tool	Fill enclosed area with color	Click inside closed shape	Area is filled with selected color
TC04	Stroke Thickness Slider	Change line thickness	Adjust slider to max	Line becomes thicker when drawing
TC05	RGB Colour Selection	Choose custom color	Set RGB sliders to (255,0,0)	Color preview shows red, drawing uses red
TC06	Tool Switching	Switch between tools	Select eraser, then pen	Pen tool activates, eraser is deactivated
TC07	Canvas Resize	Resize browser window	Drag window edge	Canvas adjusts and remains interactive
TC08	Save Feature (if available)	Save current canvas drawing	Click save	Image is downloaded or saved
TC09	UI Icon Functionality	Click tool icon	Click circular fill icon	Fill tool activates, visually marked as selected
TC10	Invalid Fill Action	Use fill tool on open area	Click near unclosed shape	Nothing is filled or fill leaks to canvas edge