

Page	UI Element #	UI Element Name	Action Sequence	Actions
Home	1	Page title	1	On initial page load title pixels randomly materialize to form the letters in the title.
Home	2	Open button	-	When clicked:
Home	2	Open button	1	If changes have been made to the grid and are not saved prompt the user to see if the changes are to be discarded.
Home	2	Open button	2	Display the file open dialog and retrieve the file name from the user.
Home	2	Open button	3	Open the file, and load the contents of the file into the grid
Home	3	Save button	-	When clicked:
Home	3	Save button	1	- If the grid has not been changes display an information message that there are no changes to save.
Home	3	Save button	2	- Convert the grid to its JSON equivalent and write the file
Home	4	Clear button	1	If the grid has not been updated issue a message indicated that there's nothing to clear
Home	4	Clear button	2	If the grid has been updated ask the user for confirmation and then clear the grid
Home	5	Grid Column + button	-	When clicked:
Home	5	Grid Column + button	1	- Add a new column of cells on the righthand side of the grid
Home	5	Grid Column + button	2	- Increment the column count display
Home	5	Grid Column + button	3	- Ensure that the Grid and all controls are centered on the page frame
Home	5.1	Grid Column - button	-	When clicked:
Home	5.1	Grid Column - button	1	- Display an error if there is only one column in the grid
Home	5.1	Grid Column - button	2	- If the rightmost column in the grid contains modified cells ask the user for confirmation before removing the column
Home	5.1	Grid Column - button	3	- Decrement the column count display
Home	5.1	Grid Column - button	4	- Ensure that the Grid and all controls are centered on the page frame
Home	5.2	Grid Column count Display	1	Update whenever a column is added or removed
Home	5.3	Grid Row + button	-	When clicked:
Home	5.3	Grid Row + button	1	- Add a new row of cells on the bottom of the grid
Home	5.3	Grid Row + button	2	- Increment the bottom count display
Home	5.3	Grid Row + button	3	- Ensure that the Grid and all controls are centered on the page frame
Home	5.4	Grid Row - button	-	When clicked:
Home	5.4	Grid Row - button	1	- Display an error if there is only one row in the grid

Home	5.4	Grid Row - button	2	- If the bottom row in the grid contains modified cells ask the user for confirmation before removing the row
Home	5.4	Grid Row - button	3	- Decrement the row count display
Home	5.4	Grid Row - button	4	- Ensure that the Grid and all controls are centered on the page frame
Home	5.5	Grid Row count Display	1	Update whenever a row is added or removed
Home	6	Help button	1	When clicked display the modal Help dialog
Home	7	Palette button	1	When clicked display the modal Palette dialog
Home	8	Recent colors display	1	Change the cursor to an eyedropper when hovering over any cell
Home	8	Recent colors display	2	When clicked change the color of the Palette button to color of the recent color cell
Home	8	Recent colors display	3	Change the color of the eyedropper cursor to match the selected color
Home	8	Recent colors display	4	Save the selected color for use if and when a grid cell is clicked
Home	9	Grid	1	Change the cursor to an eyedropper when hovering over any cell. The eyedropper color will be the most recently selected color.
Home	9	Grid	2	When a grid cell is clicked change its color to the most recently selected color.
Home	10	About button	1	When clicked display the modal About dialog
Palette Dialog	11	Color Wheel	1	Change the cursor to an eyedropper when hovering over the color wheel
Palette Dialog	11	Color Wheel	2	When clicked change the color of the Current Color element and its RGB value to that of the recent color cell
Palette Dialog	11	Color Wheel	3	Change the color of the eyedropper cursor to match the selected color
Palette Dialog	11	Color Wheel	4	Update the Color Shades element with the shades of the selected color
Palette Dialog	12	Color Shades	1	Update when a new color is selected from the wheel
Palette Dialog	12	Color Shades	2	Change the cursor to an eyedropper to match the cell when hovering over it
Palette Dialog	12	Color Shades	3	When clicked change the color of the Current Color element and its RGB value to that of the recent color cell
Palette Dialog	13	Current Color Info	1	Display the currently selected color and its RGB value
Palette Dialog	14	Cancel Button	-	When clicked:
Palette Dialog	14	Cancel Button	1	- Reset the selected color to its value when the dialog was invoked
Palette Dialog	14	Cancel Button	2	- Close the Color Palette dialog
Palette Dialog	15	OK Button	-	When clicked:
Palette Dialog	15	OK Button	1	- Permanently update the currently selected color value
Palette Dialog	15	OK Button	2	- Close the Color Palette dialog
About Dialog	16	Return Button	1	When clicked, close the dialog.
Message Dialog	17	Cancel Button	1	When clicked, close the dialog and return the cancel state indicator to the caller

Message Dialog	18	OK Button	1	When clicked, close the dialog and return the OK state indicator to the caller
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