

AFFORDANCE ANALYSIS

AFFORDANCE	PRIMARY FRAMEWORK Hartson & Pyla Four Basic Types of Affordances	SECONDARY FRAMEWORK Bower E-Learning Technology KEY: dark blue background = functional light blue background = non-functional	POSITIVE or NEGATIVE	REASON for +/- DECISION	DESCRIPTION	LOCATION KEY: dark green background = specific pages light green background = specific page areas
BUTTONS						
Button - Navigation with Embedded Hyperlinks	Cognitive Physical Sensory Functional	Media Navigation Usability Aesthetics Reliability	Positive	Clear signifier of available options	Links the user to internal pages within the software	Navigation Bar - Every Page
Button - Help	Cognitive Physical Sensory Functional	Media Emphasis Usability	Positive	Clear signifier with text, icon, and color usage	Opens a pop-up window to explain how to use items on that webpage	Header Area - Every Page
Button - Blue with white text	Cognitive Physical Sensory Functional	Media Emphasis Usability Aesthetics	Positive	Clear signifier	Indicates the user will be requesting an action to be executed. Is always located after the text box.	Formalizer Judge Professor Compiler Chef
Button with Icon - Plus sign, "+"	Cognitive Physical Sensory Functional	Media Usability Aesthetics	False Cognitive	Clear signifier, but has inconsistent use of color	Indicates the user will be adding an item to the list below the button.	Magic ToDo Judge
Button with Icon - Chili Peppers	Cognitive Physical Sensory Functional	Media Usability Aesthetics	Positive	Signifies the level can be changed	Popup window appears with a slider to change the reading level and the number of subtasks	Magic ToDo Formalizer Professor Estimator
Button with Icon - Vertical 3-dots	Cognitive Physical Sensory Functional	Media Navigation Emphasis Usability Aesthetics	Positive	Clear signifier	Indicated there is a collapsed menu with four additional options	Magic ToDo
Button with Icon - Magic wand	Cognitive Physical Sensory Functional	Media Navigation Emphasis Usability Aesthetics	Positive	Clear signifier	Indicated the task can be broken down into smaller steps	Magic ToDo
Button with Icon - Trash Can	Cognitive Physical Sensory Functional	Media Usability	Positive	Clear signifier	Appears when the task has been checked as complete to offer the option to delete the finished item	Magic ToDo
Button - Switch Light/Dark Mode	Cognitive Physical Sensory Functional	Media Usability Aesthetics	Positive	Clear signifier with light or dark mode icon	Permits the user to choose what mode works best for them by changing the background between light and dark Icon changes based on mode - shows moon icon to change to dark mode and sun icon to change to light mode	Navigation Bar - Every Page
Button - Feedback	Cognitive Physical Sensory Functional	Navigation Media	Positive	Clear signifier with emotion icon	Opens a pop-up window for the user to provide feedback via two options: by email or by clicking on 1 of 3 options that use both an icon and text	Navigation Bar - Every Page
Button - Patreon & Icon with Embedded Hyperlink	Cognitive Physical Sensory Functional	Media Navigation Temporal Usability Aesthetics	Positive	Clear signifier in the form of software icon and text	Links the user to an external page that supports membership, pricing, and announcements	Navigation Bar - Every Page
Button - Apps & Icons with Embedded Hyperlink	Physical Functional Cognitive	Media Navigation Usability Technical Aesthetics Reliability	Positive	Clear signifier in the form of device icons	Links to external sites to download the user apps as indicated by the icon: Apple, Android, and web app.	Navigation Bar - Every Page
Button - About	Cognitive Physical Sensory Functional	Media Navigation Usability	Positive	Clear signifier	Links to an internal page that explains information about the software written in easy-to-understand language and contains easily identifiable hyperlinks	Navigation Bar - Every Page
Button with Icon - Copy	Cognitive Physical Sensory Functional	Media Usability	Positive	Clear signifier	Permits the user to copy the text response for usage elsewhere	Formalizer Chef
Button with Icon - Hammer	Cognitive Physical Sensory Functional	Media Navigation Usability	False Cognitive	Clear signifier	The purpose of this icon is not clearly identified by the user until the cursor hovers over it and indicates it is for bulk changes. It is also offers a dropdown menu with options to apply to all tasks in the list	Magic ToDo
Button with Icon - Reverse	Cognitive Physical Sensory Functional	Media Usability	Positive	Clear signifier	Undoes the last action taken	Magic ToDo
Button with Icon - Forward	Cognitive Physical Sensory Functional	Media Usability	Positive	Clear signifier	Redoes the last action taken if the user wants the action to reappear	Magic ToDo
Button with Icon - Share	Cognitive Physical Sensory Functional	Media Access-Control Technical Usability Aesthetics	Positive	Clear signifier	Commonly used icon to indicate the options available on the dropdown list that include saving, copying, printing, exporting and uploading	Magic ToDo
Button with Icon & Text - Sync	Cognitive Physical Sensory Functional	Media Access-Control Technical Usability	False Cognitive	Signifier	Experimental feature offering the ability to sync ONLY the Magic ToDo list across devices; does not sync any other pages.	Magic ToDo

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TEXT BOXES & TEXT						
Text Box - Fixed size	Cognitive Physical Sensory Functional	Media Usability Aesthetics	False Cognitive	Limited space for text to be entered	The text field is only large enough for one task and will not expand if there is a lot of text	Magic ToDo
Text Box - Resizable	Cognitive Physical Sensory Functional	Media Spatial Usability Aesthetics	Positive	Large enough space for text to be entered	All textboxes have the ability to be resized so the user can see all of the text	Formalizer Judge Professor Estimator Compiler
Text Box - Writing Prompt	Cognitive Sensory Functional	Media Emphasis Usability	Positive	Clearly expressed directions for text entry	Assists the user in two ways: (1) provides writing suggestions to the user, and (2) offers context if there is a response	Magic ToDo Formalizer Judge Professor Estimator Compiler Chef
Cursor Hover	Functional Sensory Physical Cognitive	Media Emphasis Usability	Positive	Offers additional information	When hovering over a button, an text explanation in contrasting colors appears. When hovering over dropdown menus, the options appear.	Magic ToDo Formalizer Judge Professor Estimator Compiler Chef About Navigation Bar - Every Page
Title	Cognitive Sensory Functional	Media Emphasis Usability	Positive	Clear signifier	Labels the page with a job role so the user knows what they can do on the page	Header Area - Every Page
Sub-title	Cognitive Sensory Functional	Media Emphasis Usability	Positive	Clear signifier	Explains what will happen on the page	Header Area - Every Page
Font	Cognitive Sensory Functional	Media Usability Aesthetics	Negative	Font used for text	Provides accessibility by using a sans serif font, the user cannot change the font's pitch	Magic ToDo Formalizer Judge Professor Estimator Compiler Chef
ICONS						
Icon - Microphone	Cognitive Physical Sensory Functional	Media Temporal Usability Aesthetics	Positive	Clear signifier	Indicates where a user can use the speak-to-text accessibility feature and is only located in each text box where the user is to input text.	Magic ToDo Formalizer Judge Professor Estimator Compiler Chef
Icon - Task Categorization	Cognitive Sensory Functional	Media Usability	Positive	Clear signifier	Visually indicated a category for each item in the task list	Magic ToDo
Icon - Chili Pepper	Cognitive Physical Sensory Functional	Media Usability Aesthetics	False Cognitive	Signifier	A common term used by neurodivergent learners but may not be easily understood by all users. Here, "spiciness" refers to how hard the user thinks the task will be to accomplish. This may be confusing to the user since it normally refers to the user's neurodivergent level and not task difficulty level.	Magic ToDo Formalizer Professor Estimator
Icon - Menu	Cognitive Physical Sensory Functional	Media Usability Aesthetics	Positive	Clear signifier	Uses an industry standard practice to indicate the menu bar has been collapsed into a popup window if there is not enough viewable area on the current screen	Magic ToDo Navigation Bar - Every Page
Icon - Move and sort items	Cognitive Physical Sensory Functional	Media Spatial Usability	Positive	Clear signifier the list order can be moved	Allows the user to change the order of the items on the ToDo list	Magic ToDo
Icon - Filter	Cognitive Physical Sensory Functional	Media Navigation Usability Aesthetics	Positive	Clear signifier	Displays the option for the user to sort the tasks according to their category icon	Magic ToDo
INDICATORS & FEATURES						
Dropdown Menu	Cognitive Physical Sensory Functional	Media Navigation Usability	Positive	Provides additional options	Magic ToDo: Provides additional options for multiple buttons to display, sort, manipulate, share, change, or sync Formalizer: Provides additional options for communication tone when writing	Magic ToDo Formalizer
Checkbox	Physical Functional Cognitive	Media Usability Aesthetics	Positive	Clear signifier	Indicated the task has been accomplished.	Magic ToDo
Specific Color - Blue	Cognitive Sensory Functional	Media Temporal Emphasis Usability Aesthetics	Positive	Clear signifier	The color blue is only offered when the user has the option to submit a request via a hyperlink or button.	Magic ToDo Formalizer Judge Professor Estimator Compiler Chef
Specific Color - Red	Cognitive Sensory Functional	Media Temporal Emphasis Usability Aesthetics	Positive	Clear signifier	The color red is only offered when the user needs assistance	Magic ToDo Formalizer Professor Estimator Header Area - Every Page