



Prototype Description:		SparkBook is a mobile app that addresses artists' difficulty in storing and organizing diverse sources of inspiration by providing a digital notebook that captures multimedia inputs and categorizes them for easy creative retrieval.			IMPORTANT: TO MAKE SURE FORMULAS WORK PROPERLY 1) DO NOT ADD/DELETE ANY COLUMNS 2) ONLY ADD ROWS TO THE BOTTOM OF THE TABLE (NOT THE TOP)			
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17	H2: Match b/w System & World	1. Simple Task	4	Clicking plus button gives unclear "Import" option		It's unclear what type of content "Import" would allow for and how it is different than importing a photo or piece of audio (which is also mp4)	Use more descriptive wording than "Import", such as "document"	C
18	H2: Match b/w System & World	3. Complex Task	2	When organizing multimedia inputs, it is difficult to naturally distinguish between the different types of media		When looking at the multimedia page, some items take some extra thought/load to understand what it is -- ex. a song vs. a photo vs. a pdf	Can have more obvious distinctions between different types of media, for example, a song could have a small music note indicator	C
19	H3: User Control & Freedom	3. Complex Task	3	No undo for AI Organize action.		Users lose manual layout if AI mis-sorts.	Provide "Undo AI Organize" or version history.	A
20	H3: User Control & Freedom	2. Moderate Task	2	No option to unshare public content.		Artists need to retract work easily.	Add "Make Private" toggle in share menu.	A
21	H3: User Control & Freedom	4. All Tasks	3	No cancel/back in Quick Add or Organize flows.		Users trapped in one state	Add persistent "Cancel" button	A
22	H3: User Control & Freedom	3. Complex Task	2	AI Organize overwrites layout without confirm		Accidental loss of arrangement	Show "Confirm organization?" dialog	A
23	H3: User Control & Freedom	4. All Tasks	4	Can't delete boards		Doesn't allow users to delete boards they don't want to keep	Add deletion flow	A
24	H3: User Control & Freedom	2. Moderate Task	3	After sharing to community, there's no confirmation page or link to view your shared post.		Users can't confirm that sharing worked or find the new post afterward	Display "Your spark has been shared!" message with "View Post" or "Edit" buttons	A
25	H3: User Control & Freedom	3. Complex Task	3	There's no way to reorganize or manually move items on the Sparklette board after AI organization		Once the AI organizes the board, users lose control to tweak or rearrange their inspirations manually	Allow drag-and-drop or a "Manual Edit" mode after AI sorting so users can fine-tune layout	A
26	H3: User Control & Freedom	3. Complex Task	3	After recording is made, navigating backwards brings you back to the sparklette, not to re-record		Users may want to edit their recordings or rerecord, and intuitively click on the back button to go do so	The back button after making a recording, before adding it, should allow them to go back and re-record if they want, not go all the way back to the sparklette page	C
27	H4: Consistency & Standards	1. Simple Task	2	Add button differs between pages.		Inconsistent placement confuses users.	Standardize icon size, color, and location.	A
28	H4: Consistency & Standards	2. Moderate Task	1	Share confirmation modal uses different style.		Visual inconsistency breaks polish.	Adopt uniform modal component design.	A
29	H4: Consistency & Standards	2. Moderate Task	2	Back arrow sends user to inconsistent pages (from community, when I added some note, it sent me to the home page)		System inconsistency between pages	Unify back arrow logic to previous screen	A
30	H4: Consistency & Standards	3. Complex Task	3	The meaning of "Add a Board" is unclear, users can't tell how a board differs from a Sparklette or project		The interface uses multiple overlapping terms ("board," "Sparklette," "project") for similar concepts, creating confusion about app hierarchy and where content is saved	Standardize terminology (e.g., always use "Project" for collections and "Sparklette" for individual inspiration boards). Add a one-line description in onboarding ("A Sparklette is your creative board inside each project")	A
31	H4: Consistency & Standards	2. Moderate Task	3	The share button changes position and color across different flows		Breaks consistency of main action placement	Standardize button placement and colors across sharing flows	B
32	H4: Consistency & Standards	3. Complex Task	1	Some of the modal headers say "Project 1", and others say "Add File"		Inconsistent labels for similar add actions	Use consistent titles: "Add ___ to Project 1"	B
33	H4: Consistency & Standards	3. Complex Task	1	Magnifying glass on certain projects, not on others		Inconsistency and breaks user expectations	Add on all pages / remove from all pages	B

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34	H4: Consistency & Standards	2. Moderate Task	3	In community page, listening to music on the feed shows the song, sharing a sparklette shows a preview of the sparklette	The way media is shared on the feed - song vs. sparklette vs. photo is thematically shown very differently. There is a lack of consistency between the different updates on the feed and it can be confusing to understand that all updates on the feed serve the same purpose. For instance, the song update has rounded borders and photo + text mixed media, sparklette shows sparklette with square corners, photo is just photo with no text -- inconsistent.	Either round all corners or keep them square, maybe have same themed color background for all updates or some design consistency. Since Sparklette includes name of sparklette in header, perhaps audio updates should say "Jonathan is listening to Heavy by the Marias", include the song name.	C
35	H4: Consistency & Standards	4. All Tasks	1	Borders around different sections throughout the app - some gray, some blue	Borders throughout the app have different weights and colors - the home page is mostly gray borders, while community page has one thicker blue border and no other border to indicate separation of sections and space - this is inconsistent	Ensure all borders are the same weight and choose one border to guide the theme throughout the app	C
36	H4: Consistency & Standards	3. Complex Task	4	The different media types on the organizing multimedia page each follow different styling	It is visually confusing to see elements styled very differently and confusing for the overall aesthetic of the UI, it does not feel very cohesive - also follows a different style from the hand-drawn style of the bottom editing bar, which is visually confusing	Have consistent styling standards across media types - for instance, they could all have shadows instead of just for post its, or ensure equal font sizing for all elements	C
37	H4: Consistency & Standards	3. Complex Task	4	From within a sparklette, adding a photo uses "Next" to submit it, whereas other media forms use "Add" buttons to submit	There is a lack in consistency in the wording used for the buttons across the adding media flows	Have them all submit the tasks with "Add"	C
38	H4: Consistency & Standards	3. Complex Task	4	From within a sparklette when adding media, photo is the only media type that has a second page encouraging the user to add the media to a project board	If this is an important step for all media additions, this page should be a part of the flow for adding any type of media	Add this intermediary step to all flows when adding a piece of media	C
39	H4: Consistency & Standards	4. All Tasks	3	Adding from the home page uses "Save" to save/add media to a sparklette; adding media from within a sparklette uses "Add" to save/add media to a sparklette	There is a lack in consistency in the wording used for the buttons to save media across the whole app	Have them all submit the tasks with "Add"	C
40	H4: Consistency & Standards	3. Complex Task	1	In adding a piece of media to a project board (before adding it to a sparklette), there is "Search for Project Boards" and the option to "Add to Project" below	Having two separate titles for the same thing can be confusing, causing users to think projects and project boards are two different things	Choose to use "Project" or "Project Board"	C
41	H4: Consistency & Standards	2. Moderate Task	2	icon for adding a sparklette in the home page is a (+), while it is a star on the share page	it feels as though 'sparklette' may mean different things depending on the tab because the symbol doesn't consistently appear with the word	incorporate the icon consistently into mentions of 'sparklette'	D
42	H4: Consistency & Standards	1. Simple Task	2	inserting media is only accompanied by icons on certain screens, while it is just labeled with words on others	the icons may seem confusing or out of place since they are not used consistently	add accompanying icons and a label together wherever the adding functionality is accessible. This way, users can build an understanding of what the icons mean in a consistent way throughout the app.	D
43	H5: Error Prevention	3. Complex Task	3	Duplicate uploads allowed.	May clutter boards or waste storage.	Detect duplicates and prompt before saving.	A
44	H5: Error Prevention	1. Simple Task	3	No error log in screen for email/password at the beginning	No flow for when log-in failed	Add try again or forget password page	A
45	H5: Error Prevention	2. Moderate Task	4	Can't cancel or delete upload	Doesn't allow users to cancel or delete uploads when they're sharing to community	Add deletion or cancel features	A
46	H5: Error Prevention	2. Moderate Task	2	In "Add a link", user can share even if URL format is invalid	May cause broken or empty posts	Add simple URL validation or placeholder text for right formatting	B
47	H5: Error Prevention	3. Complex Task	2	No indication of invalid additions (links, files)	Broken links/files can be stored	Input validation	B

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48	H5: Error Prevention	1. Simple Task	2	Popup of options for different media types to add after clicking plus button have small clickable options	Horizontal bar options to click can be very small to click, and will often lead to users clicking on the wrong option because their click placement is slightly off	Space out the options more to prevent this error from happening		C
49	H5: Error Prevention	3. Complex Task	2	Adding to a sparklette is static, no confirmation to prevent accidental additions	Lack of feedback causes uncertainty if something was not meant to be posted or cause clutter	Ensure media that is about to be posted will be properly reviewed		C
50	H5: Error Prevention	2. Moderate Task	3	When adding a photo from the camera icon, the photo selection screen and then the project board selection screen both have the upper right navigation button "Next"	These two screens have the same navigation button in a row, which can be confusing for the flow and cause errors - the user may see the same button and double click the button without considering the content on the second page, or submit without intending to, so we should prevent this possible error	Make the first button "Next" and the next button "Submit" or "Complete"		C
51	H5: Error Prevention	5. Extra Violations	3	users only have to type password once, providing a potential for error	It's quite common for users to mistype when entering a password, and this error would prevent them from being able to access the app in the future.	Add a second input box for users to confirm their password before submitting		D
52	H6: Recognition not Recall	3. Complex Task	3	Connecting sparks requires remembering existing ones.	High recall load.	Display thumbnails of sparks to link.		A
53	H6: Recognition not Recall	3. Complex Task	3	AI prompt lacks visible options.	Users must recall phrasing.	Offer chips or presets like "by color," "by date."		A
54	H6: Recognition not Recall	2. Moderate Task	2	Community page lacks "Saved" indicator	Users can't saved or track posts they liked	Mark saved posts with saved feature		A
55	H6: Recognition not Recall	1. Simple Task	2	Quick Add doesn't show current project context	Forces recall of location	Display "Adding to: [Project Name]."		A
56	H6: Recognition not Recall	1. Simple Task	4	Project name/destination is not obvious when adding spark	User must remember where they're adding a Spark	Display the current project name at the top of the screen		B
57	H6: Recognition not Recall	3. Complex Task	2	Users must recall where their new items will appear on the board after adding	Forces memory instead of visual reassurance	Temporarily highlight new files' locations OR add a search bar within the project OR add a filter by file type		B
58	H6: Recognition not Recall	3. Complex Task	2	The AI "Organize" input doesn't clarify what types of text are valid (keywords, sentences, how to format)	Users have to well-format their entries or guess	Add text example (e.g., "group by artist or theme") or show that the entry is flexible		B
59	H6: Recognition not Recall	2. Moderate Task	3	Community feed shows "Share your spark with the community" with 8 options with visual and text description	For sharing option, having both text and icon to visually explain options for sharing is too much recall - having both is unnecessary and can create a lot of visual load	Get rid of text captions for icons, keep just icons		C
60	H6: Recognition not Recall	3. Complex Task	4	After organizing, there is a lot of redundant text for the way elements are visually organized	The organize option divides the page by section but titles the sections by the same words already seen in the rest of the media presented, which feels like a lot of the same text over and over again	If the title is repeated in the section's media, keep only the title and remove other unnecessary/redundant mentions of the title as long as the section title is apt		C
61	H6: Recognition not Recall	4. All Tasks	3	original nav bar between 'people' and 'community' tabs disappears when within a board	Requires user to remember which tab they are in and if the board they are viewing is their own. This may become less ambiguous with use, but new users may struggle while they aren't familiar with the difference in layout between their own boards and viewing others' boards.	have the nav bar persist at the bottom, or include some text that specifies this is a user's personal board (maybe include an icon somewhere?)		D
62	H7: Flexibility & Efficiency of Use	3. Complex Task	2	No batch edit or shortcuts.	Expert users slowed by repetitive steps.	Enable multi-select and keyboard shortcuts.		A
63	H7: Flexibility & Efficiency of Use	1. Simple Task	1	Quick Add defaults not customizable.	Power users redo same setup each time.	Let users set preferred default input.		A
64	H7: Flexibility & Efficiency of Use	1. Simple Task	3	No visible shortcuts for repeating the same action	Repeated "Add" requires full flow each time	Add a quick-add or "Add another spark" button on confirmation screen		B
65	H7: Flexibility & Efficiency of Use	2. Moderate Task	3	Same repetitive steps required to share each content type	No shortcuts for frequent sharers	Offer "Share again" or pre-filled recent templates, or unify flow across mediums		B
66	H7: Flexibility & Efficiency of Use	3. Complex Task	3	Adding multiple items at once requires repeating the full add flow for each item	Increases friction for power users adding many files / entries to a project	Offer "Add another" or drag-and-drop or add multiple at a time		B

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67	H7: Flexibility & Efficiency of Use	1. Simple Task		4	Clicking plus button gives vertical list of media options to add that may be inflexible to use	The list of options provided is a lot of text to read - may not be the most efficient way for users to distinguish the different options, especially as a frequent action	Use visual icons for the media options or have the options in a semicircle rather than straight list	C
68	H7: Flexibility & Efficiency of Use	1. Simple Task		3	When adding a new piece of media, it is difficult to distinguish which piece of media is the recently added piece	As Sparklettes become more full and more complex, it can be difficult to find your new piece of media - it may blend in with other pieces	Add some visual indicator of the new presence - i.e. a highlight or motion	C
69	H7: Flexibility & Efficiency of Use	3. Complex Task		2	users must type in their organization preferences each time	power users may have a preferred style of organization they would like to use repeatedly	include option to save user's organization preferences for future use	D
70	H7: Flexibility & Efficiency of Use	2. Moderate Task		4	no current method for actually saving media from the community to one's own board	It's unclear how to save media from the community in a way that's more efficient than screenshotting/recording or going to look up the same media yourself and then adding it to the board. especially for power users, it would be helpful to add this functionality into the app itself	a (+) button or some icon to quick-add community sparks to one's own boards/to a collection of a user's sparks saved from the community boards	D
71	H8: Aesthetic & Minimalist Design	3. Complex Task		2	Boards visually crowded.	Too many icons reduce focus.	Add spacing and clear visual hierarchy.	A
72	H8: Aesthetic & Minimalist Design	2. Moderate Task		1	Primary/secondary button colors inconsistent.	Unclear which action is main.	Apply consistent accent color for CTAs.	A
73	H8: Aesthetic & Minimalist Design	1. Simple Task		2	Dense layout with multiple overlapping visual elements (images, bars, icons, etc.)	Visual clutter distracts from main action	Simplify layout and reduce visual noise	B
74	H8: Aesthetic & Minimalist Design	1. Simple Task		1	Inconsistent spacing between sections	Small misalignments get in the way of visual balance	Standardize spacing and margins across sections	B
75	H8: Aesthetic & Minimalist Design	2. Moderate Task		2	Cluttered design in sharing flow	Overwhelming on user	Clean up unnecessary elements or only show most frequently used ones	B
76	H8: Aesthetic & Minimalist Design	1. Simple Task		2	After choosing to add music/audio inspiration, there are several options before adding to the board than differ in priority	There are a lot of text / text options / things going on that may be overwhelming or create friction for the user	Prioritize important options, perhaps separate "add to sparklettes" and "create new project" as two options - putting create new project under can be confusing. Remove text where possible, make things more sticky and visual	C
77	H8: Aesthetic & Minimalist Design	5. Extra Violations		1	Search button with outer circle outline is unnecessary detail	Unnecessary additional design/outline to search icon, the search icon's purpose is clear	Get rid of outline outside of icons	C
78	H8: Aesthetic & Minimalist Design	2. Moderate Task		1	"Share your spark with the community" header on community page is long	This header is long text that takes up two lines on the screen, taking up a lot of space and creating visual load	Make the font smaller or come up with a more brief but clear header	C
79	H8: Aesthetic & Minimalist Design	4. All Tasks		1	Borders around navigation buttons on bottom are unnecessary	If the design is meant to be more minimalist, the navigation buttons are already very clear, having borders around this can be unnecessary and makes it feel like a separate button	Delete the border around the nav bar	C
80	H8: Aesthetic & Minimalist Design	3. Complex Task		3	Organize media button shows up on the modal as well - double button is redundant	Having the organize button twice makes the design appear confusing - having two of the same button	blur out the bigger Organize button to indicate hierarchy and what the user should click, or name the smaller one "Complete" or "Submit" or something different	C
81	H8: Aesthetic & Minimalist Design	4. All Tasks		2	add sparklette' and '+' sign at the bottom of home page seem redundant/it's unclear what the difference in use is	having 2 buttons that (i think?) do the same thing but have different appearances is a bit confusing/inconsistent and may be unclear for the users	remove one of the buttons or clarify the distinction between them	D
82	H9: Help Users with Errors	1. Simple Task		3	No failed uploads screen.	Users can't fix the issue.	Show plain-language error + "Retry" button.	A

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83	H9: Help Users with Errors	5. Extra Violations	0	No problem, ensure having error messages to indicate barriers or problems throughout the app	Errors such as not having media available or having media that is too large (long audio files or large pdfs) will cause some errors	Can require having some clear errors, error indicators, or loading screens	C
84	H9: Help Users with Errors	1. Simple Task	3	unclear which fields are essential vs optional when adding music	when using the app, it was difficult to tell which selections were essential (save location, type of info from the song, etc.) before I could actually move on to save it. I tried just selecting a save location but wasn't able to move on from the screen until I filled out other fields.	Add comprehensive error messages that tell the users which fields are necessary. Alternatively, add a symbol (kind of like google forms does) to indicate which fields are essential	D
85	H10: Help & Documentation	4. All Tasks	1	No built-in help or tooltips.	New users lack guidance.	Add quick onboarding overlay or help icon.	A
86	H10: Help & Documentation	4. All Tasks	2	No feature explanations (Organize, Quick Add, sparklette, project)	Users unsure how to start	Provide contextual tooltips or guided tour	A
87	H10: Help & Documentation	4. All Tasks	2	The prototype starts immediately on the login page with no introduction or explanation of what SparkBook does	New users have no context about the app's purpose or value proposition before signing up	Add an onboarding screens and example visuals before login.	A
88	H11: Accessible Design	4. All Tasks	1	Low contrast + icon-only buttons.	Hard for low-vision or screen-reader users.	Increase contrast.	A
89	H11: Accessible Design	4. All Tasks	2	Relies solely on blue color for interactivity.	Color-blind users might miss cues	Add icon outlines or underline on hover	A
90	H11: Accessible Design	2. Moderate Task	2	Small tap targets for link/music/voice icons	Difficult for users with limited dexterity or small screens	Increase button padding	B
91	H11: Accessible Design	3. Complex Task	2	Small icons for "Add connection" and "Spark your board" might be hard to tap	Touch targets likely below accessibility threshold	Make icons larger and increase spacing between them	B
92	H11: Accessible Design	3. Complex Task	4	Content on the screen can be small on a mobile device	Particularly when a user begins to add more media to a board, it will be harder to read text or make out images or handle items effectively as items overlap each other or elements are made to be smaller	As more elements are added and made smaller, have them be grouped into clusters that can be clicked to zoom into them, or have a maximum number of elements allowed per page	C
93	H11: Accessible Design	4. All Tasks	2	nav bar disappears in nested pages of the app, such as when a user is within their board	users with screen readers or other accessibility tools may have a hard time navigating out of the app or reaching different screens	add a consistent navigation system that is available on every screen in the app	D
94	H12: Value Alignment & Inclusion	4. All Tasks	2	No credit attribution on shared art.	Violates artists' ownership values.	Auto-display creator name (AI can be used tool)	A
95	H12: Value Alignment & Inclusion	2. Moderate Task	2	The community feed presents artworks with no context or captions about creators' intent or process	This makes the space feel impersonal and less community-oriented, reducing inclusivity for emerging or diverse artists	Add visible captions or artist statements under shared Sparklettes to reinforce community and attribution values	A
96	H12: Value Alignment & Inclusion	4. All Tasks	2	Default imagery appears visually homogenous (similar colors, few cultural cues)	May not feel inclusive for diverse creative contexts	Broaden default image themes to represent varied creativity	B
97	H12: Value Alignment & Inclusion	2. Moderate Task	1	Shared examples (e.g. music, art, etc.) skew toward Western visuals	Could make community feel narrow	Use diverse example content to reflect different creative communities	B
98	H12: Value Alignment & Inclusion	3. Complex Task	3	no/limited transparency on how users' items are being organized when using the 'organize' button (ai? hardcoded algorithm? sorting?)	Many users seemed quite wary of AI use during your presentations, which makes me think that they may want to be informed on how exactly their information is being handled. Some users may be uncomfortable with AI use, while they may appreciate algorithmic organization.	include a disclaimer/description of how user data is being handled and the methods being used to organize it	D