musicmin.app
INSTANT WORSHIP SLIDES & CHORDS

Dec 2022 - Mar 2023

Tools/Skills used in this project:
Figma, Notion, Google Suite, Neilsen's Usability Heuristics, Database Design

What is <u>musicmin.app</u>?

Many Christian communities utilize presentation tools to build lyric slides for when the community is invited to sing along during prayer services. The task of typing and formatting lyric slides for setlists of multiple songs can be a time-consuming task, and often times, Christian worship leaders or music ministers may discern a last-minute setlist change or song addition(s). <u>musicmin.app</u> aims to automate this process by allowing users to create a list from a pre-existing database of Christian praise and worship songs and export them into formatted lyric slides, according to the specified order.

Features available in v1.0

The pilot version of <u>musicmin.app</u> offered the following features:
- A search bar to search up a song by title or artist
- The ability to build an editable and arrangeable list of songs whose lyrics can be exported into a PowerPoint or PDF
- PowerPoint/PDF styling options: Song slides can be exported in Dark Mode (black background, white text) or with the text in all caps

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Task: Create UI Mockups of musicmin.app v2.0, which adds the following features:

Increased usability

An updated database schema

3 Filters as Dropdown Menus
- Theme(s)
- Song difficulty level
- Liturgical season (later replaced with tempo)

Ability to Generate and Download Chord Sheets

Mobile-friendly UI

Tools/Skills demonstrated in this project:
Figma, Notion, Google Suite, Neilsen's Usability Heuristics, Database Design

Heuristic Evaluation

Using a set of design principles and usability heuristics, I created a table of issues found on musicmin.app, assigned a severity rating, and recommended a fix. I went over this table with the developer in a meeting.
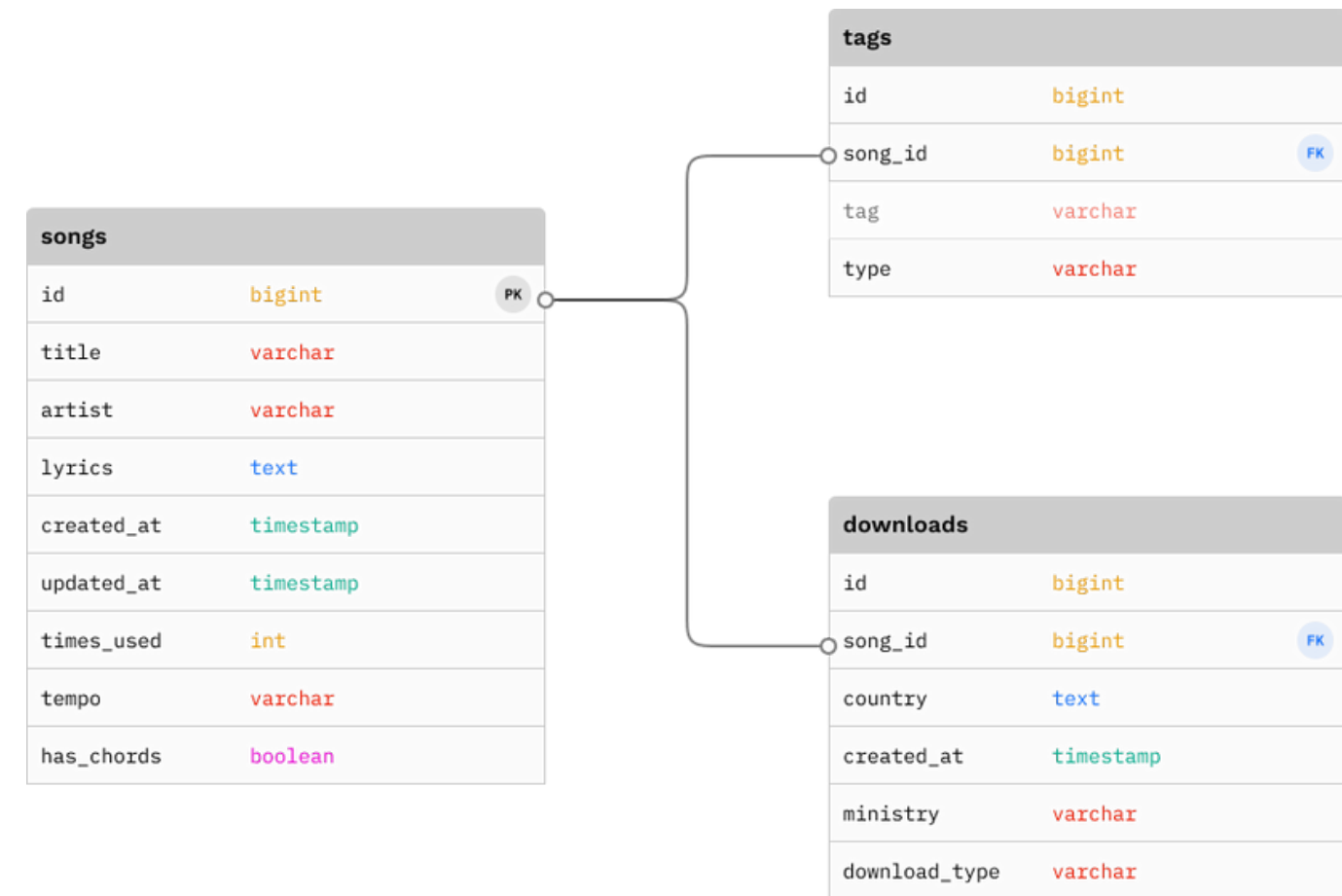
9 Design Principles and Usability Heuristics - A Heuristic Evaluation will check if the UI/UX of a given application violates these rules.

Simple and natural dialogue

Speak the users' language

Minimize user's memory load

Be consistent

Provide feedback

Provide clearly marked exits

Provide shortcuts

Deal with/prevent errors

Provide help

Each violation is given a severity rating. The rating scale from 1-4 follows the below:

(1) Cosmetic problem only. Unlikely to impact usability and need not to be fixed unless extra time is available.

(2) Minor usability problem. May have an impact on some, but not all users. Fixing this is given low priority.

(3) Major usability problem. Will likely have an impact on many users. Fixing this is given high priority.

(4) Usability catastrophe. This problem prohibits or makes it impossible for users to use the application as intended. Requires immediate fixes of the highest priority.

Severity	Description of Issue	Rule Violated	Recommended Fix	Fixed?
3	Clear all' function immediately clears all songs without any user confirmation. In the case a user mistakenly clicks it, they lose significant progress	Deal with/Prevent Errors	Display a message asking the user if they're sure this is the action they want to take	☐
2	The 'Make Slides' button is disabled when no songs have been added, but upon clicking gives no feedback to the user that this is due to having no songs in the list.	Provide Feedback		☐
2	Adding 1 song opens the Slide Maker drawer, forcing the user to exit every time they add a song. While this acts as adequate feedback to let the user know they have added a song and where it went, a less intrusive/tedious manner of feedback can be provided.	Provide Shortcuts	Create a pop-up window or message to notify the user their song has successfully been added to their list and where to find it. Indicate the song title in the message so the user can see which song they added (in case they need to correct this)	☐
2	Does not give any feedback re: adding duplicate songs	Deal with/Prevent Errors	Display a message confirming with the user that the song already exists in the list and confirm if they want to add anyway	☐
1	When a song with a long title and/or artist is added to the Slide Maker (ex. Jireh - Elevation Worship & Maverick City), the text does not wrap around soon enough and overlaps with the remove 'x' button. So far, this doesn't affect readability, so is primarily a cosmetic issue.	Be Consistent		☐
1	When at the bottom of the songs table, the 'add' button hangs over the bottom right corner's curve.	Be Consistent	Leave the last row of the table blank (as seen in mockup) or remove the curved corners from the table.	☐

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Updating the Database Schema

Database Schema Updates Included:
- Tags that represent themes in a song (ex. faithfulness, evangelization, listening)
- The difficulty of a song (Easy, Intermediate, Advanced)
- The liturgical season(s) a song is best suited for*
- If a song's chords are available for download*
- The tempo of a song (slow, medium, fast)
- Misc. download data (origin of download, file type, etc.)

Pictured: Database schema mockup using 'Database Diagram Kit' Figma template

*Not implemented

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Updating the Songs Directory

I created 4 different iterations of the v2.0 song directory. In addition to deciding what data would be represented in the table, the added feature that was the most challenging to represent was the added chord sheet feature. Ultimately, the highlighted table (bottom left) was decided upon by the developer.

Song	Artist	Tempo	Key	
Freedom [Chords]	Liveloud	Fast	G	+
Fearless [Chords]	Liveloud	Slow	B	+
Refuge [Chords]	CFCY USA	Slow	E	+
Follow You [Chords]	Liveloud	Fast	E	+
From Within [Chords]	Liveloud	Slow	F#	+

Song	Artist	Tempo	Chords	
Freedom	Liveloud	Fast	Available	+
Fearless	Liveloud	Slow	Not available	+
Refuge	CFCY USA	Slow	Available	+
Follow You	Liveloud	Fast	Available	+
From Within	Liveloud	Slow	Available	+

Song	Artist	Tempo	Key	
Freedom	Liveloud	Fast	G	+
Fearless _View chords_	Liveloud	Slow	B	+
Refuge	CFCY USA	Slow	E	+
Follow You	Liveloud	Fast	E	+
From Within	Liveloud	Slow	F#	+

Song	Artist	Tempo	Difficulty	
Freedom	Liveloud	Fast	Easy	+
Fearless	Liveloud	Slow	Easy	+
Refuge	CFCY USA	Slow	Easy	+
Follow You	Liveloud	Fast	Easy	+
From Within	Liveloud	Slow	Intermediate	+

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