

Group Portion

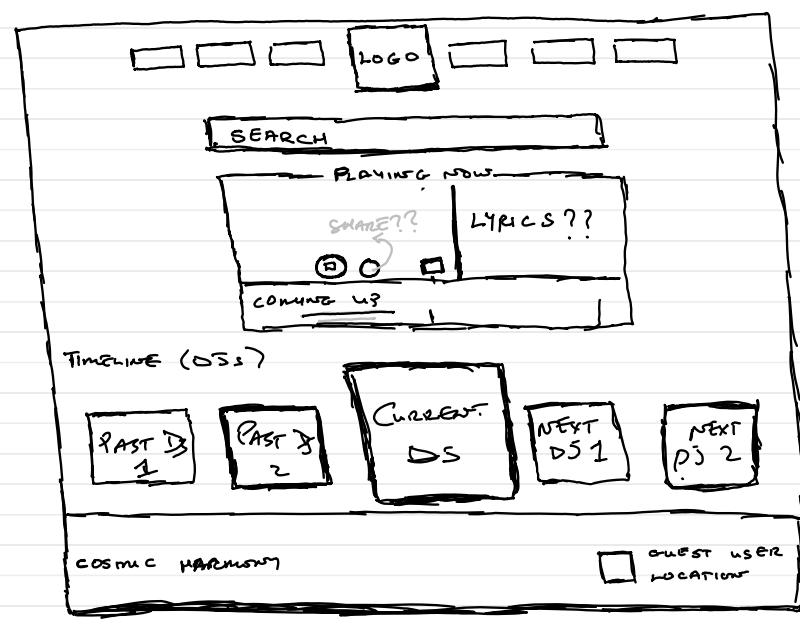
Business Profile

We are a web-based radio station called Cosmic Harmony. We are new to the radio industry and currently aiming to build a user-base of listeners teen-aged and up. Our goal as a radio station is to give listeners music they already like while so expanding their taste by introducing them to a variety of music genres they may like based on their selected preferences. Our radio runs 24/7, seven days a week. Our building is in Northern Virginia, but since we're web-based, we can be accessed from anywhere. Staff-wise, we are a mid-sized company (about 100 employees). To gain revenue, we run unsponsored ads occasionally. We also offer our users at-a-glance information regarding traffic, news alerts, and trending social media feeds.

Logo



Common Page UX Sketch



Common Page Wireframe

Please visit the following Figma link ("Main Screens" page)

[Common Page Wireframe](#)

Evaluation Against Shneiderman's Golden Rules

- Strive for consistency:
 - Navigation elements stay consistent throughout the different screens. Some examples of this include the search bar, navigation at the top of the site, footer at bottom of site (includes user profile & settings), and a small snippet of the DJ schedule (located at the bottom half of the site).
- Enable frequent users to use shortcuts:
 - Although we didn't place any explicit shortcuts for more experienced users to use (this may be something to add in future sprints), we did focus on making sure that performing an action doesn't take more than 2 clicks. Some examples of actions may include opening user settings, checking the playlist queue, and switching between site navigation tabs (located at the top of the site).
- Offer informative feedback:
 - The actions on our common page mostly involve toggling menus. This was important to us (as opposed to having information open in a pop-up or separate tab) since it would prevent users from visually losing their place on our website. As for when a user clicks on a tab on the navigation bar at the top of the site, not only would the content of the site change (indicating successful switching of tabs), but the tab title will also be bolded. This way, users can determine where they are on our site with a simple glance to the navigation bar.
- Design dialogue to yield closure:
 - Since the actions users can perform on the common page are fairly simple and require a minimal number of button clicks to complete, we believe users will have a confusion-free experience with our website. However, for future sprints, we may look into a login page of sorts. If this is to be implemented, we would make sure to display a message to the user indicating incorrect username/password, along with a message for when the user successfully updates their preferences or logs out of their account.
- Offer simple error handling:
 - We did our best to make the common page layout as simple and intuitive as possible to avoid the possibility of user error. One possible place where user error could occur is with the search feature (eg: typo, trying to search an empty string). When this happens, we would display a message to the user indicating the existence and nature of the error (to be implemented in future sprints).
- Permit easy reversal of actions:
 - Most of our functionalities involve the use of a button that toggles menus open and closed. This simplifies reversal of some actions, since it would involve the click of only one button. If a user was to accidentally open a menu they didn't mean to open, they can simply click the same button to toggle it closed. Some examples of this include the user menu (opens on the right-hand side of screen) and the playlist queue view.
- Support internal locus of control:
 - To make sure our site's navigation is predictable and to ensure the user feels in control, we avoided using features such as pop-up windows and the automatic opening of new tabs. Any menus that are toggled open do not replace the content already being displayed on the screen, but merely extend it.
- Reduce short-term memory load:
 - We used specific icons to help users recall what certain buttons do. One example of this is the playlist queue button. This button has an upwards facing arrow on it to help users remember/understand what the button does. Once the menu is toggled open, the button displays a downwards facing arrow. This lets the user know they need to click the same button to close the playlist queue view.

- Acoustic music
 - A pure form of music where for the runtime of the song an artist and their instrument are all that exist in the world. Perfect for a calming break from a long day or even to wake up to and are great to sing along to.
- Alternative music
 - Break from the norm and drone of a long day with this genre of music. Guaranteed to hype you just enough to get you through the day.
- Ambient music
 - Just calm, soothing sounds to drift off to sleep to. Not likely to wake the neighbors up in the middle of the night for sure.
- Blues music
 - Feeling a little blue? Well, this genre may be just what you need. Sometimes it is okay to slow down before getting amped up.
- Chillout music
 - Relax with some tunes that calm your mind and bring you a peaceful mood. Perfect for winding down after a hectic day.
- Classical music
 - Enjoy some beautiful music that's sure to evoke emotions. Whether you're trying to get focused or want to simply relax after a long day, there's definitely a piece for you.
- Classic Rock music
 - Tune in for some catchy guitar tunes that will take you back to the days of rock 'n' roll. Feel free to jam out.
- Country music
 - Experience some hearty American music – these songs tell stories about life, love, and the countryside.
- Dance music
 - Get moving to the beat with Dance music. You're guaranteed to have a blast on the dance floor with these groovy tunes.
- Electronic music
 - Explore electronic sounds and rhythms that will make you feel like you've been transported to the future. If you love music powered by synthesizers, this is the genre for you.
- Folk music
 - Dive headfirst into some heartwarming tunes that use simple melodies and acoustic instruments to capture your heart.
- Funk music
 - Get ready to groove along to funky basslines and upbeat melodies. This is great music to dance and move along to.
- Gospel music
 - This is music for the soul. Filled with powerful voices and lyrics that celebrate faith, you're bound to leave with a joyful heart.
- HipHop music
 - Experience urban culture through music. Here, rhythm and rhymes come together to form creative, catchy songs that you can bop your head along to.
- Indie music
 - Get acquainted with new independent artists who are amazing at making waves across all genres.
- Indie Pop music
 - Get acquainted with new independent artists who are amazing at making waves across the pop genre!
- International music
 - Want to learn more about music from different countries? Hear the latest hits in over 40 different languages!

- Jazz music
 - Get lost in the world of jazz. Whether you're simply looking to unwind or want something you can bop your head along to, this genre's got something for everyone.
- Lofi music
 - Get in the zone with soothing, relaxing lo-fi beats. These tunes are also great to fall asleep to.
- Metal music
 - Rock on with the newest beats and hardcore punk tunes that get your blood moving as you rage against the machine.
- New music
 - Newest hits by all artists! This is the newest music scouted by our DJs for artists that don't have a mega following, but deserve it all the way!
- Pop music
 - Sing along to today's most popular songs with catchy tunes and relatable lyrics. Great genre for a crowd.
- Punk music
 - These non-conformist distorted tunes will make sure you express your inner emotions and stand out from the crowd.
- RnB (Rhythm and Blues) music
 - Having rocking jazz and figuratively smooth music, these songs can make sure that you are grooving to the rhythm.
- Rock music
 - Featuring heavy drums and guitars, these tunes can make sure that you are jamming to the percussion and lyrics.
- Singer-Songwriter music
 - Connect with the emotions and stories of singer-songwriters through acoustic melodies and sincere lyrics.
- Soul music
 - A genre that stirs your soul and makes you feel deep emotions, powered by passionate, heartfelt lyrics.

Tentative Work Schedule

Days would be divided into time blocks which can be further divided into sub-blocks and assigned to DJs to host a playlist. The choice of genre for the time blocks must be adhered to by both producer and DJ unless under special circumstances. The schedule was drafted based on the day-to-day activities of the average working or schooling individual. In between major time blocks, there is about 15 to 20 minutes for advertisements, news flashes, public service announcements and more.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
12:15 AM - 5:00 AM	Ambient music Lo-fi music	Ambient music Lo-fi music	Ambient music Lo-fi music	Ambient music Lo-fi music	Ambient music Lo-fi music	Ambient music Lo-fi music	Ambient music Lo-fi music
	News flash Advertisement Miscellaneous						
5:15 AM - 7:15 AM	Gospel music Jazz music Classical music RnB music	Classical music Jazz music Blues	Classical music Jazz music Blues	Classical music Jazz music Blues	Gospel music Jazz music RnB music Classical music	Jazz music Blues music Acoustic music	Gospel music Jazz music Classical music
	News flash Advertisement Miscellaneous						
7:30 AM - 10:30 AM	Pop music Country music Soul music RnB music New music	Pop music Folk music Singer-Songwriter Indie music	Pop music Country music Soul music RnB music New music	Pop music Folk music Singer-Songwriter Indie music	Pop music Country music Soul music RnB music New music	Folk music Singer-Songwriter Indie music Classical music Rock music	Soul music RnB music Blues Gospel music
	News flash Advertisement Miscellaneous						
10:45 AM - 2:00 PM	Country music New music Pop music International music Jazz music	Country music Rock music Alternative music International music Jazz music	Country music New music Pop music International music	Country music Rock music Alternative music International music	Country music Pop music New music International music Jazz music	Rock music Pop music Indie music Rock music Folk music	Pop music Country music Soul music RnB music New music
	News flash Advertisement Miscellaneous						
2:20 PM - 5:00 PM	RnB, HipHop, International music, Rock, Dance	Indie music Alternative music Electronic music World music	RnB music HipHop music International music Rock music Dance music	Indie music Alternative music Electronic music	RnB music Hip-Hop music International music Rock music Dance music	Indie music Alternative music Electronic music World music	RnB music HipHop music International music Rock music Dance music
	News flash Advertisement Miscellaneous						
5:15 PM - 7:30 PM	Soul music Jazz music RnB music	Rock music Metal music Punk music	Soul music Jazz music RnB music	Rock music Metal music Punk music	Soul music Jazz music RnB music	Rock music Metal music Punk music	Jazz music Blues Funk Soul music
	News flash Advertisement Miscellaneous						
7:45 PM - 9:30 PM	Pop music Rock music Metal music Dance music	Pop, RnB, Dance, HipHop	Pop music Rock music Metal music Dance music	Pop music RnB music Dance music HipHop music	Pop music Rock music Metal music Dance music (EDM)	Pop music RnB music Dance music HipHop music	Pop music Rock music Metal music Dance music
9:30 PM - 9:45 PM	News flash Advertisement Miscellaneous						
9:45 PM - 11:59 PM	Lo-fi music RnB music Ambient music Pop music	Lo-fi music Ambient music Lounge music Indie Pop	Lo-fi music RnB music Ambient music Pop music	Lo-fi music Ambient music Lounge music Indie Pop	Lo-fi music RnB music Ambient music Pop music	Lo-fi music Ambient music Lounge music Indie music Pop music	Lo-fi music RnB music Ambient music Pop music

Listener Profile: Shruti Sekar

Proto-Persona

Listener A:

Name: Sheniyah Wilson

Demographic:

- She is a 19-year-old college student who lives in New York City.
- She is an undergraduate sophomore studying French in her college CUNY.
- She loves to watch true crime shows and fantasy movies.
- Her parents are immigrants, so she knows a lot of Spanish and Portuguese.

Behavior:

- She always listens to music when doing homework.
- She tends to walk a lot between her classes.
- She has two roommates who she is very close to, so they share a lot of things together.
- She tends to change her mind frequently.

Needs:

- She needs things immediately. She doesn't like to wait for anything.
- She loves to hear new things. She wants a station that has new music.
- She needs news sprinkled throughout the day, as she isn't awake for the early morning news, and she already knows the news by the evening by her social media feed.

Concern Points:

- She feels like she gets tired of the pop hits playing the same old songs over and over again.
- She doesn't really have a true station that she can play with her parents or roommates.

Goals:

- She would like to ace her classes, so she needs to be focused during the evening/AM hours.
- She would like to create more music that is amicable to her roommates, so she can impress them, and also music that she feels her parents would like, but new music that she can also listen to.
- She wants to be able to learn music in other languages, specifically French.



Listener B:

Name: Hardin Hanslow

:mographic:

- He is a 35-year-old father and husband living with two pre-teens.
- He is very keen on exercise.
- He and his family bike together on the family beach every Summer. Otherwise, they go for morning walks.
- He lives in DC and is stuck in the morning rush hour traffic as he goes to his Top-Secret government job.
- He never played an instrument in his life.

havior:

- He is very structured. He does not like chaos.
- He gets very frustrated during rush hour traffic.
- He cannot sing on key.
- He often picks up his daughters after school on the weekdays every other week, alternating with his wife.

eds:

- He wishes there were a way to keep track of the songs he liked.
- He does not enjoy the limited selection of music on the current radio stations. He wishes there was variety, but at the same time variety that he can choose if he wants to listen to further or not.
- He tends to get incredibly stressed from his work and needs something to calm down.

in Points:

- He wishes that there were more customizable options for radio.
- He does not like knowing what song or lyric is playing in the middle of the song, like traditional radio. He wants to be able to know what is going on.
- He dislikes heavy metal.

als:

- He wants more songs that remind him of his songs that he listened to in college and early 20s.
- He also wants to make sure his daughters enjoy singing along with him when they go on trips or get picked up after school.



tener C:

ime: Ferri RaRi

:mographic:

- They are a 63-year-old retiree from working in the Peace Corps for over 30 years.

- They like to crochet and create craft items.
- They also love softer, calmer songs.
- They live in a smaller rural area with their cat. Their grandkids occasionally visit.
- They make and sell cookies as part of a local bakery employee.

havior:

- They are an early riser and early sleeper. They do not like to stay up too late.
- They were never tech-savvy.
- They leave if they do not like something; it must catch their eye immediately.
- They will sometimes spend hours knitting. This leaves their ears unoccupied, so they mostly listen to the news or radio.

eds:

- They want something simple and easy to understand – old-people-technology if you will.
- They want something to share with their grandchildren.
- They want something that is easy to listen to while they are knitting.

in Points:

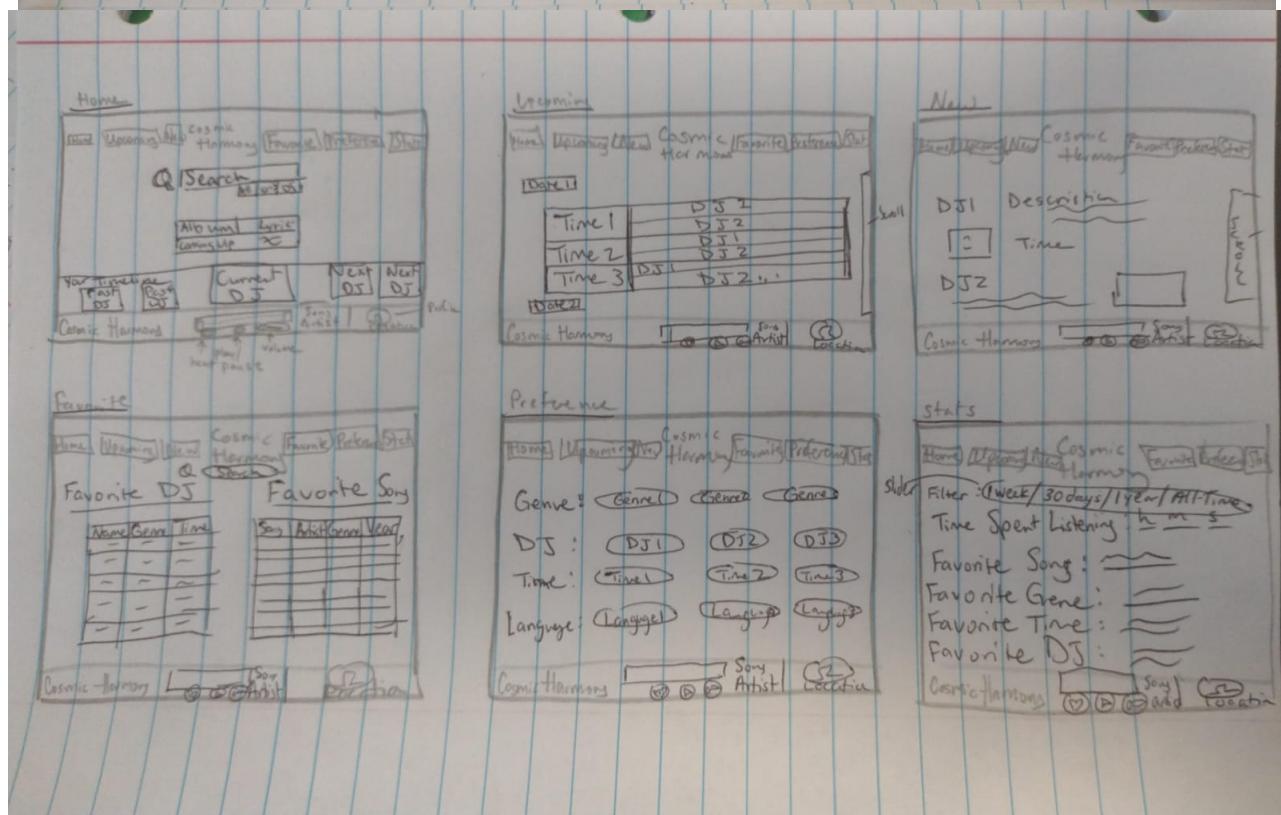
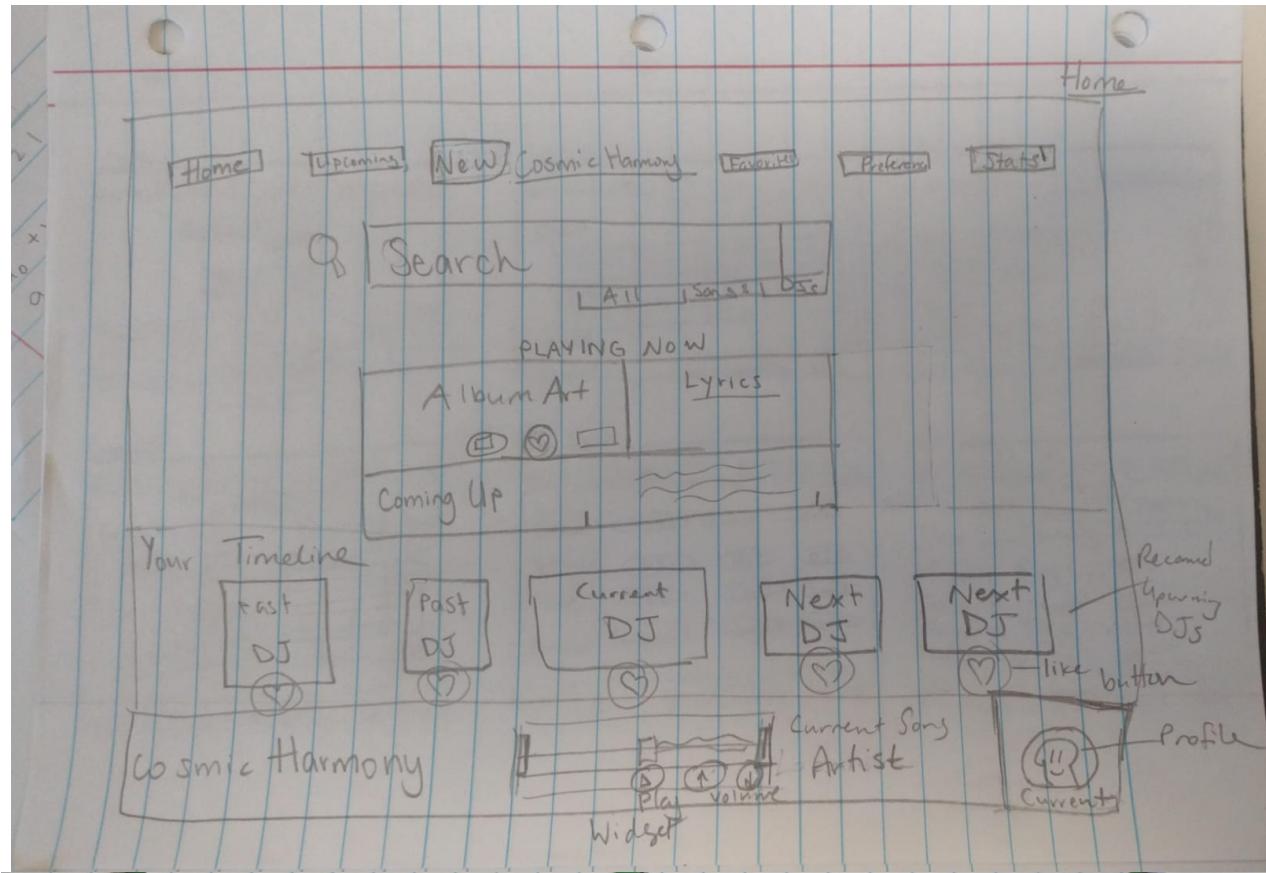
- The radio waves are fuzzy in their house. They want something that they can listen to clearly.
- They cannot stand advertisements. They have fallen for too many advertisements or misleading deals without reading the fine print.
- They cannot stand the new pop music; it makes their ears hurt.

als:

- They want adverts to be as little as possible.
- They hope her grandchildren will like the music as well when they go to the church together.
- They want something smoother for the morning hours, which is when they are awake and listen to the most music.



UI Sketches



Screen Wireframes

Wireframes for the Listener user can be found at the following Figma link ("Listener Screens" page): [Listener Wireframe](#)
Additional UI layout can be found at the following Canva link: [Listener Profile \(Canva\)](#)

User Flow Diagrams

User flow for all profile types (including Listener) can be found at the following Figma link ("Diagrams" page): [User Flow Diagram](#)

The connection between all the screens can be found here: [Screen Interaction](#).

Here are more wireframes of the other screens (it is the UI screens without color and images): [UI Wireframes for Other Screens](#)

Note: All the navigation bars let the user go to the different screens, and that is consistent across all user screens. The heart is also able to add DJs and songs to the favorites section. Also, the upcoming song section is also known as glance. Clicking the profile or upcoming DJ goes to the respective pages.

Evaluation Against Shneiderman's Golden Rules

- Strive for consistency:
 - The navigation bar and footer are consistently the same throughout all the UI pages. The location of each of the icons, such as the profile picture or logo are also consistently in the same page not just for the listener but also across all the profiles.
 - The group discussed having the color scheme change per time like reds in the mornings, bright yellow and green in the afternoon and darker colors in the night, but this would be consistent throughout all the UI pages. Although this would be changing, this would reflect the sky which would be our cosmic theme.
 - I can make the designs more consistent by allowing the user to switch between a compact and extended mode for the playlist. Currently, the now playing section is compact, but I can use more of the page to look like the DJ or Producer page in that the "upcoming/glance" section is to the left, and the now playing is in the middle.
 - When there is a lot of information, tables are used. This helps simplify the information. For example, the favorites and upcoming page features a table layout.
- Enable frequent users to use shortcuts:
 - Clicking on the DJs allows you to view their personas and take you to the upcoming DJs. The shortcut allows users to instantly view information about DJs, rather than relying on the navigation bar all the time.
 - The heart button also quickly adds the DJ or song to the favorites section.
 - There are not that many shortcuts for listeners; it is more about the nav bars to get to pages. However, the home page does have a lot of pertinent information like the currently playing song and upcoming DJs to let the audience see into what is relevant/upcoming.
- Offer informative feedback:
 - The bolding of each heading will be added to the title page that lets the users know which page they are on.
 - The center of the page for the main page typically tends to be the currently playing music on the home page for the listeners. This will let the users see a timeline of the past, current, and future DJs as well as the currently playing and upcoming songs. This information can help the users realize which type of information they can expect in the upcoming section.
- Design dialogue to yield closure:
 - The heart icon will also be activated by setting it to "true" in JavaScript or changing the color when a DJ or song has been liked. This will let the users know they already liked this object.
 - The user might have to do some guessing when figuring out which elements are clickable and which are not, like for example the DJ pictures or the profile pictures. We might have to redesign a way to get the user to understand what the clear next steps are.
- Offer simple error handling:
 - Most of the layout is buttons, so like the common page evaluation stated the way to get errors is by having invalid search results, which can be handled in the search page results by showing that there are simply no results. It is hard for users to make errors in the first place.
- Permit easy reversal of actions:
 - The x button for the popups can make sure the user can close their popup for the profile section and DJ section.

- We can make the user feel more able to reverse an action by having bigger cancel buttons or explicit toggle switches. This way, they don't have to worry about typing something in and clearing it since there will be fixed input anyway.
- Support internal locus of control:
 - The site does feel navigable with the nav bar at the top, but some of the icons, like clicking the DJ picture or the profile picture might not feel intuitive. We have to make sure that the listener knows which elements are clickable and which are not.
 - However, the usages of buttons might make the user feel like they are limited to only a certain subset of options which might make them feel like they need to be more in control.
- Reduce short-term memory load:
 - We tried to use the rule of 7, so in the main page for the listener, there is only 5 DJs in the timeline and 6 navigation bars. We know that the user cannot remember everything, nor does it look good to have more.
 - We only display the next upcoming song and time.
 - We display 2 stanzas at a time, where the stanzas will be scrolling down. This helps avoid the clutter of information.

Representative Metrics

ccess – Are the users able to update their genre/DJ preferences?

This metric will test how a user can update their DJ preferences when starting on the home page. They will have to click either the preferences page and the update button or click the profile picture and choose one of the dropdowns to get to the preferences page.

Duration – How long do the users look at their statistics page?

This will test how long a user spends on their statistics page since the page is supposed to be informative. This will let us know if the user does not really use the stats page and if it can be merged with a profile setting (that is common across all, hence why we did not show that) or if the page is vital.

Error – If the users enter an invalid item in the search bar, are they able to quickly correct their mistake? Do they get an autofill tool, an error message underneath the search bar, or a page that redirects to an invalid message?

The search is the easiest place to return an error, as there may be invalid search results. This will let us know if a user is easily able to search for an object, or if the error messages or specificity of the search cause a user to give up.

Satisfaction – How satisfied are users with having 5 DJs in the timeline? Do they want more or less? Is this a suitable number for the UI screen without being cluttered? Are the 6 navigation headers also satisfying?

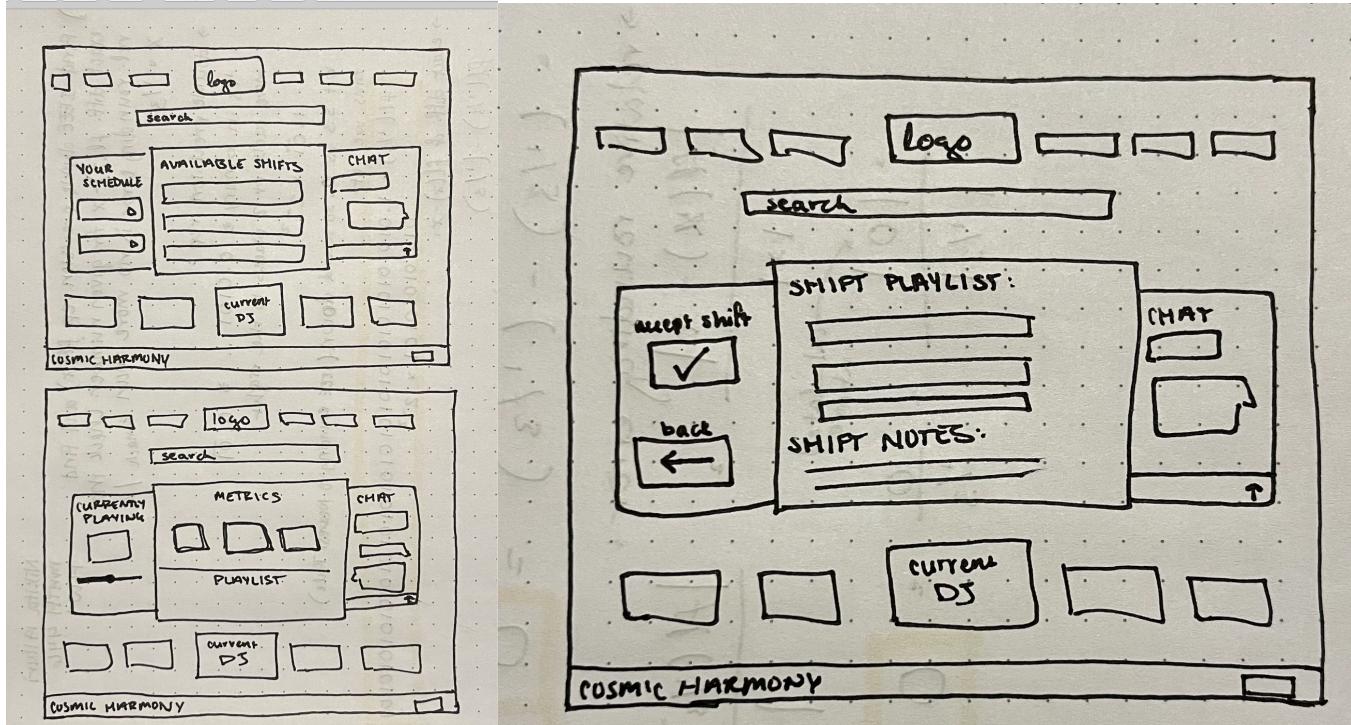
This user metric will gauge how the user feels about having the page have 5 DJs or 6 nav headers, and if the UI itself feels cluttered or if it feels too crowded. We can use the NPS to gauge the UI.

DJ Profile: Nikita Alluri

Proto-Persona

Emma Grace Hopley 	Behaviors <ul style="list-style-type: none">Irregular sleep scheduleLikes to go shopping when she's feeling downHas commitment issuesBabysits over the summerWeekends are typically freeLoves creating playlists for her friends in spare time
Demographics <ul style="list-style-type: none">Age: 23Gender: FemaleOccupation: College student (junior: music education)Location: Bethesda, MDMarital Status: UnmarriedInterests: electric guitar, traveling, podcastsPersonality: extroverted, friendly, spontaneous	Needs & Goals <ul style="list-style-type: none">Wants to DJ as a part-time jobNeeds extra income to support spending habitsNeeds flexibility in scheduleWants to travel as much as possible while in collegeWants freedom in choosing her work shifts (rather than have it assigned)

UI Sketches



Screen Wireframes

ireframes for the DJ user can be found at the following Figma link (“DJ Screens” page): [DJ Wireframe](#)

User Flow Diagrams

er flow for all profile types (including DJ) can be found at the following Figma link (“Diagrams” page): [User Flow Diagram](#)

Evaluation Against Shneiderman’s Golden Rules

- Strive for consistency:
 - Navigation elements stay consistent with the common layout and the producer layout. The chat box is always visible, as is the at-a-glance DJ schedule (bottom of screen). Due to this, this consistency is maintained and thus this rule is met.
- Enable frequent users to use shortcuts:
 - For more experienced users who know what shifts they want to take, they can use the quick-add button. This quick-add button is right next to the button used to expand shift details (where DJs can then either add the shift to their schedule or go back). Currently, this is the only shortcut available for frequent users. However, other shortcuts may be added in future sprints.
- Offer informative feedback:
 - When a user is done performing an action on the DJ side, they will know it is complete because it will be reflected on their screen. For example, if a DJ were to use the quick add shortcut to add a shift to their schedule, they would know the action is complete when the shift disappears from the available shifts menu and appears in the DJ’s upcoming schedule. Another example is when the DJ ends their live session. When the button is pressed, the DJ’s screen moves from the live session view (which includes metrics, playlist, etc.) to the DJ dashboard (shows upcoming schedule + available shifts). This change in display indicates to the user that their action was successful.
- Design dialogue to yield closure:
 - Since the actions DJs perform on their dashboard does not involve an overly complicated process, I believe DJs will have a confusion-free experience with our website. For future sprints, however, it may be useful to display messages to the user stating that certain critical actions were successful (e.g.: adding/removing shift to schedule, ending live session).
- Offer simple error handling:
 - One place where user error could occur is with the search feature (eg: typo, trying to search an empty string). When this happens, we would display a message to the user indicating the existence and nature of the error (to be implemented in future sprints). To prevent timing errors from happening (eg: booking a shift from the past or a shift that another DJ has already claimed), the available shifts section only displays future shifts that have yet to be claimed. Also, a DJ may try to start a session that should not be started yet. If this were to happen, a message would appear preventing the DJ from starting the incorrect session (to be implemented in future sprints).
- Permit easy reversal of actions:
 - Many DJ-specific actions are reversable. Some examples include cancellation of a shift, ending of a session, and exiting a session’s playlist/notes view. By making these actions reversible with the click of just one button, DJs do not have to worry about an action they take being set in stone.
- Support internal locus of control:
 - To make sure our site’s navigation is predictable and to ensure the user feels in control, there are no pop-up windows or the automatic opening of new tabs. Additionally, the general layout of the screen (tri-fold view at top of screen and snippet of upcoming DJs at bottom of site) stays the same regardless of the action the DJ takes. This helps with predictability and comfort when it comes to our users’ experience on our site.
- Reduce short-term memory load:
 - We used specific icons to help users recall what certain buttons do. One example of this is the back button when the playlist/notes view is expanded on an available shift. This button has an arrow to help users remember what the function of the button is. Similarly, the button to add the selected shift to the DJ’s schedule has an image of a check mark on it.

Representative Metrics

- Success – are DJs able to add/remove multiple shifts to their schedule without the website crashing?
 - The DJs' ability to use our website depends on whether they can successfully manage their session schedule through our site. If it turns out that DJs are having trouble adding/removing shifts, it significantly hinders not just the DJs, but producers and listeners as well.
- Duration – how long does it take for a DJ to add a song in the middle of a session? Or rather, how much time elapses in between the DJ pressing the add song button and the song appearing on the DJ's playlist view?
 - This is an important metric since DJs will need the ability to add and remove songs from a session playlist either before or during it. If a DJ is trying to add a song during the session, having it take a long time will only disrupt the session (which may leave a negative impact on listeners and DJ users alike).
- Error – If the DJ is trying to add a song to the playlist and has a typo in their search, does the website alert them of it?
 - Since DJs will often be editing their playlists mid-session, it is highly possible for a typo or two to slip in. Thus, it is important for users to be alerted to this in a way that is not overly distracting but still visible.
- Satisfaction – are DJs happy with the sound/music controls offered to them during the live session?
 - This is important to measure, since we want to make sure that DJs have all the tools and features necessary to perform their best during the live sessions.

Producer Profile: Nyamekye Kutortse

Proto-Persona

Name: Franklin Benson

Demographic

- 30-year-old
- Well-travelled
- Single man of African-Asian descent.
- Currently located in Washington DC.

Behaviors

- Rarely stays in one place for more than 8 months
- Likes to attend cultural events
- Keeps a clean space and loves to itemize his daily, weekly tasks
- Keeps semi-strictly to his schedule
- Enjoys music all day long everyday

Needs and Goals

- Loves to share music
- Seeks to discover talent from all corners of the world
- Very interested in playing a role in the music industry
- Not a fan of music interruptions by ads
- Appreciates high quality sounds

UI Sketches

Screen Wireframes

Wireframes for the Producer user can be found at the following Figma link (“Producer Screens” page):

[Producer Wireframe](#)

User Flow Diagrams

User flow for all profile types (including Producer) can be found at the following Figma link (“Diagrams” page):

[User Flow Diagram](#)

Evaluation Against Shneiderman’s Golden Rules

- Strive for consistency:
 - Navigation elements stay consistent with the common layout and the DJ layout. The chat box is always visible, as is the at-a-glance DJ schedule (bottom of screen). Due to this, consistency is maintained and thus this rule is met.
- Enable frequent users to use shortcuts:
 - For more experienced producers who know what shifts they want to manage the playlists for, they can use the “manage” and “playlist” buttons at the bottom of the associated session in the at-a-glance DJ schedule available at the bottom of the screen. Currently, these are the only shortcuts available for frequent users. However, other shortcuts may be added in future sprints.
- Offer informative feedback:
 - When a user is done performing an action on the producer side, they will know it is complete because it will be reflected on their screen. For example, if a producer was to manage the playlist for an upcoming session, they would know the action was processed since their dashboard would change to display the playlist for the associated shift. This change in display indicates to the user that their action was successful. More explicit informative feedback is something to be added in later sprints.

- Design dialogue to yield closure:
 - While we did our best to make sure the design of the producer pages is as straightforward as possible, it's important that producers are notified when certain important actions are completed successfully or unsuccessfully (e.g.: creating a new session, assigning a DJ to it, editing a playlist).

Representative Metrics

- Success – are producers able to create shifts without the website crashing?
 - The producers' ability to create sessions and the respective session playlist to be used by the DJ is a critical function of the website. Without this part working properly, the rest of the website users (listeners, DJs) are significantly inconvenienced.
- Duration – how long does it take for a producer to publish a session to be assigned to DJs? More specifically, how much time
 - This is an important metric since producers will need to be able to create and assign sessions/playlists one after the other on a regular basis. Making sure that the process is as efficient and quick as possible allows for the producers to work faster, which in turn makes the radio application a better experience for DJs and listeners alike.
- Error – If the producer is trying to search for a DJ and has a typo in their search, does the website alert them of it?
 - Since producers will need to assign playlists to DJs, it's imperative that there are proper error messages in place in case of a typo (which is to be expected as one name can have multiple spellings).
- Satisfaction – are producers happy with the metrics available to them? Are they happy with the steps they need to take to get to the metrics screen?
 - Since producers are the ones who do most of the planning regarding the playlists and associated DJs, they will most likely be spending a significant amount of time analyzing listener metrics. Thus, it's important to make sure that the metrics available are helpful to the producers and are not too difficult to get to.