

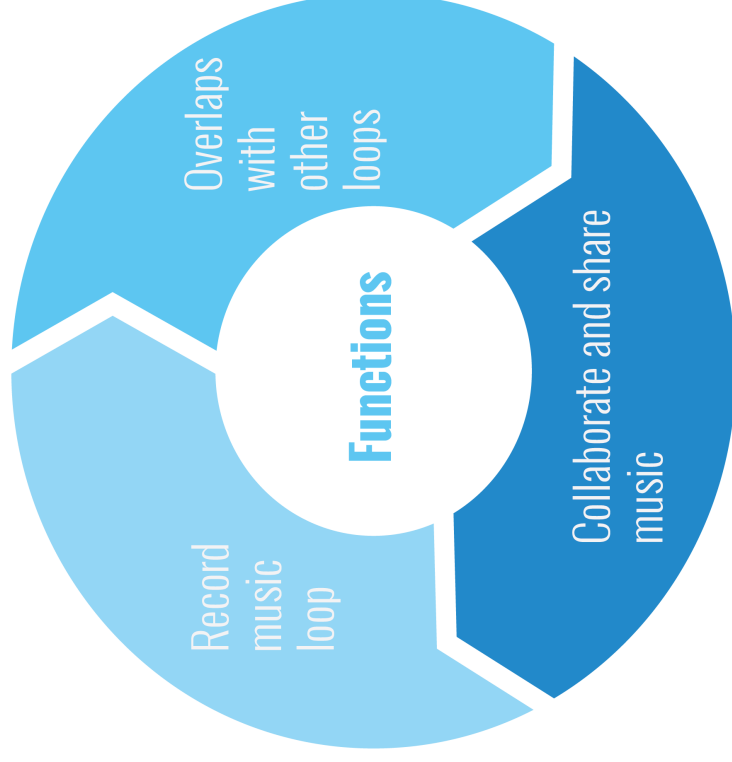
Loop Space - Music Collaboration Mobile Application

Why do we need this app?

With modern genres constantly being spawned from the internet, it should be noted that connections are no longer limited by geography. Musical scenes are now sprouting from user's bedrooms, oftentimes on message boards or blogs. While there are hubs for sharing music online, there is no effective method for collaborating online. Our goal is to create a platform where musicians can collaborate quickly and easily with other musicians.

Process

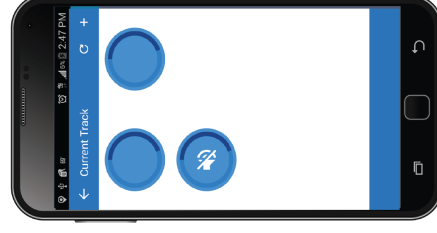
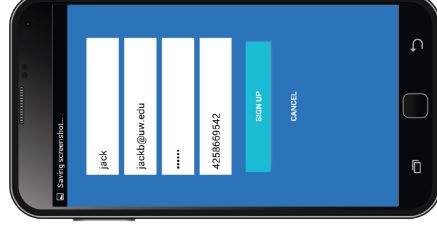
Our development of the app includes making development plan, schedules, design and technical implementation. For our development plan used scrum with two week sprints. We used Trello board to keep up to date for our group member's implementation. For design we created paper prototypes, wireframes, and high fidelity prototypes. Our mobile app is developed Android devices. We used Amazon Web Service to host our PostgreSQL database and blob storage with EC2 and S3. For database we used PostgreSQL and for our server-side we used Node.js and Express.js on heroku.



Solutions

Our solution is to create a mobile application that will allow users to generate short audio clips that can be repeated, also known as "loops." Since the introduction of technology in music, looping short audio clips has been a core element of creating music. The loop generally lasts from 10 seconds to 20 seconds and it will play continuously.

Once a loop is created, other users can add loops to the original track and collaborate over the network. Beside looping feature, our app will also support recording, small mixing adjustment to audio recording, location-based sharing system, user profiles and peer to peer messaging system. The app is based on Android platform.



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