

## Project Summary

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<b>Company Name/ Team Name</b>	GBCoders	
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<b>Telephone</b>	n/a	
<b>Project Title</b>	Music Streaming System with Mobile App Player	
<b>Project Description</b>	<p><b><u>About the project:</u></b>          As a team, we are envisioning a competitive music streaming system with a tied in mobile application which plays local files (mp3, FLAC, AAC, wav), creates playlists and can stream music from the online system which will have features added based on the competition and user feedback.</p>	
<b>Problem/ Opportunity Assessment *</b>	<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> </ol>	<p>Competition's platforms lack or limit the resources provided to independent artists such as Spotify restricting independent artists to their TuneCore registration system, Tidal not allowing uploads from independent artists and Soundcloud limiting uploads to 3 hours.</p> <p>Competition's platforms are lackluster and missing features. Examples include</p> <ol style="list-style-type: none"> <li>1. An equalizer</li> <li>2. Lack of local file playing (Tidal does not allow local playback, Spotify allows for local playback, however the feature is not easily accessible)</li> <li>3. Audio bit rate options affect the sound quality or data usage of the user (sound quality is mixed depending on the platform, Soundcloud is maxed at 128kbps mp3, Spotify is 128kbps AAC, and Tidal is lossless however it is pay to access)</li> </ol>
<b>Desired Project Outcomes/ Requirements*</b>	<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> </ol>	<p>Online Music Streaming System with included features that the competition lacks and less restrictions for independent artists.</p> <p>Recommendation/Search system to help support the discoverability of independent artists and give them more clicks/listens/views.</p> <p>Fully Featured Music Player App as a client for the backend system</p>

<b>Key Deliverables to be produced by students*</b>	1.	Student's will deliver a music player mobile application that can connect to the music system
	2.	The music system must allow users to log in, make accounts with profiles, upload music and share it/link it.
	3.	To test the service at the start, DMCA free music will be used to test the recommendation search portions
<b>Desired Start Date</b>	September 20, 2021	
<b>Desired End Date</b>	April 1, 2022	
<b>Attachments</b>	<i>List attachments that support project description</i>	
	1	n/a
	2	n/a