

OpenFrequency Design Requirements

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Description:

OpenFrequency is a complete music management tool for anyone (Specifically worship teams) to be able to store songs and attach any relevant documents or comments about the track. Music can either be downloadable or can be set to only stream. Streaming allows listeners to listen to the music without the administrator having to worry about copyright laws in distributing the music. Documents can be sheet music, chord charts, beat charts; anything a user will need to rehearse the song. All users in the system have the ability to comment on the music. They can tell others about how to tackle certain parts of the song. Administrators can also setup set lists for users so that users can easily find the music they will need to rehearse for. This also is very handy for users who need to reference past music played.

Design Requirements:

The project will be 100% open source and free for everyone. It will be programmed in the C# language. It will utilize such open source products such as:

- Mono
- MonoDevelop (Windows, Linux, MacOS)
- MySQL 5

The software will be web based and will have the ability to be compatible with both Linux and Windows servers. Although the product requires ASP.NET, it will be fully compatible with Mono for Linux installations. Ease of installation is also of high importance.

Phase 1 (Alpha Code) Requirements:

- Database script.
- Administration area.
 - o Add songs.
 - o Upload files.
 - o User and Group management.
 - o Application configuration.
 - o Add comments.
 - o Add genres.
 - o Add moods.
 - o Comment system approval area.
 - o Set List Management.

- User frontend.
 - o Sees set lists.
 - o Can browse all music.
 - o Can download and stream music.
 - o Can add comments.
 - o Can download and view attachments.
- Basic theme support for both admin and user areas.
- Basic login system.

Timeline:

No timeline will be set at this time. As more developers come on board a timeline might be set for releases.