

Project Proposal

Project Title: Live Music Band

Team Number: Team 8

Members:

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Project Goal and Motivation:

Motivation:

-This mobile application combines the output of different members of a group playing different instruments on their respective phones and each member receives the combined output i.e. his output plus the other users output.

-After researching on this topic, we found out that this kind of application does not exist which motivates us to do the same.

Significance/Uniqueness:

All the existing application has a feature that could play single instrument on the mobile device. None of the application allows different users to combine together their output.

For example,

Member (a) plays piano, member (b) plays guitar and member (c) sings. Our application will send the individual member's input to server, combines all three input and sends the combined output to individual member.

Objectives:

- 1) Collecting databases of existing apps for various instruments to a single location.
- 2) To synchronize and combine each member's input to form a combined output to each individual member's mobile phone in real time.
- 3) Application to allow users to create groups and have a chat within this app to communicate and play together effectively.

System Features:

- 1) Application has predefined instruments to choose from.
- 2) It may include chat options.
- 3) User can create as many groups he like and play along with different group of members.
- 4) The combined output could be directed to the application website in real time.

Related Work:

- 1) Nearly all the applications for music instruments allow a single user to play the instrument. Such apps are RealGuitar, perfect piano.
- 2) Apps such as TuneMob, Ampme allows different user to play a single song on different devices for a loud output.

Backup Project:

Application Name: EasyOrganize

An application for UMKC students that reads their mails and organize the calendar and when the student opens the app, he may also manually add reminders in the calendar which were not present in the mails and periodically reminds the user for each task that is to be completed before deadline.

The user specified which emails to be read for the entries into the calendar.

After reading the mail, the application asks every time for user to either add or discard the entry into the calendar.

So, the users weekly assignments plus project deadlines plus reminders, which user manually added gets organized and hence a timetable could be generated for those tasks.

Bibliography:

- 1) Google Play store- <https://play.google.com/store?hl=en>
- 2) iTunes store- <https://itunes.apple.com/us/genre/ios-music/id6011?mt=8>
- 3) Google- <https://google.com>