OFFBEAT: Android Application

Main Objective: To crop and merge at least two songs and record a video over it and share it on social network. Thus a user will get a new fun way to showcase talent and fun content.

Features:

* Crop and Merge at least 2 songs. Save as .mp3.
* Use that .mp3 file to record a video (.mp4).
* The video can be saved in the phone memory and also can be shared over the internet.
* A personal account of each user will be there so that things remain organized.
* A user can chat with other user and view each other shared content.
* Filters/Stickers to enhance the video content (optional).
* While uploading a video user can give choose a category in which he want to upload the video so that he can be ranked in that particular category.

Tools:

* Android studio: To code in Android.
* Git/Github: To create a repository and have version control.
* Jenkins: Open Source Automation Server.
* Puppet/Chef/Ansible: Configuration Management Tool.
* Espresso: Testing tool for Android Applications.
* Open Source libraries: To save time and to provide robust and extra features in the app.
* Lint: To improve the code.
* ProGuard: To shrink code.

Open Source Libraries that we should use:-

* ORMLite:- To integrate database easily including SQLlite.

Process and Plan:

Step 1: Collection of these tools and understanding the need of these tools and how to use them.

Step 2: Start the collaborative work.

Step 3: Testing of the app at each stage.

Step 4: Meanwhile understanding the market and start founding the investors or any source of funds.