

SOFTWARE REQUIREMENT SPECIFICATION

FOR

SOUND BEATBOX

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1 Introduction

1.1 Purpose:

To make an easy way for those who like to sing and compose their own music and like to share it with their friends and colleagues. With this software you can also add a little description about what you have made. You can also open your previously saved task and work on it again.

1.2 Scope:

Any one who seek a solution for their singing hobby or profession can use this software. Even available for small kids! Just select the options and kids can sing all day along!

1.3 Overview

Many of us were hoping to learn how to play different different kind of instruments in any stage of our life also most of us would like to sing their favourite songs but the problem with this both situation is difficulty of finding proper mechanism which will help you with instruments and also singing. So this projects all about this where you guys can choice which instruments you would like to add in your music and using repetitive loop it will keep playing in background while you can sing a song and overlap with it so it can be explained as soft and small version of a FL studio machine but it is easy to buy and install this software rather then buying and setting up whole FL studio machine and also with this software you can save your music and also you can share this with your friends having this software installed.

2.General Description

Many of us were hoping to learn how to play different different kind of instruments in any stage of our life also most of us would like to sing their favorite songs but the problem with this both situation is difficulty of finding proper mechanism which will help you with instruments and also singing. So this projects all about this where you guys can choice which instruments you would like to add in your music and using repetitive loop it will keep playing in background while you can sing a song a song and overlap with it so it can be explained as soft version of a FL studio machine but it is easy to buy and install this software rather then buying and setting up whole FL studio machine and also with this software you can save your music and also you can share this with your friends having this software installed.

The system will work as follows:

Instrument selection:

Select the instruments you want to play in background.

Save beat pattern:

In this section you can save the previously selected instruments by doing this you can create your full music pattern.

3. Functional requirements

3.1 Description

First of all, users need to register their selves then they got user name, password.

By using this user name and password, one can login into system and use all functionality of system like he/she can make his/her beat loop and save it. Furthermore you can share your work with other users.

3.2 Technical Issues

This requires system that will be able to run java applications.External interfaces include keyboard and mouse, enabling navigations across the screens.It also requires sound system to play beat pattern.

4. Interface Requirements

4.1 GUI Requirements

For make use of this application,user must have user name and password.By using this user login int system.And use system functionality like,

- My profile:

By registering your self you can create your profile where you can store your previous work,your favourite settings and make this software much more personalized.

- Share my work :

In this section you can share your work with all those computers who have this software installed in it.also you can add a little description with it just like we do with our emails.

- Instrument selection :

In this section you have to select all those musical instruments which you want to play in background and also you will find a loop option with each to make them play in continuous loop.

4.2 Hardware Requirements

- This application will be storing data about different instruments also with your recorded ones. And shared ones. Roughly ... MB of storage capacity is needed.
- This software can be used in any device like laptops ,Desktops.
- Application will run on 256MB or higher of RAM.

4.3 Software Requirements

- This application interface will be developed by Java (J2EE) frameworks.
- This software will support JDK environment.
- This software personal database model will support MYSQL environment as DBMS.
- It will run on any platform supported by JDK technology.

5.Performance Requirements

NONE

6.Design Constraints

NONE

7. NON-FUNCTIONAL REQUIREMENTS

Security: The user should provide password to log on the system. Only admin must be able to see the records of register users.

Reliability: This system guarantees reliability because there are no chances of failure.

Availability: The system must be working properly and available to the users all 24 hours.

Maintainability: In engineering, maintainability is the ease with which a product can be maintained in order to:

- isolate defects or their cause,
- correct defects or their cause,
- repair or replace faulty or worn-out components without having to replace still-working parts,
- prevent unexpected breakdowns,
- maximize a product's useful life,
- maximize efficiency, reliability, and safety,
- meet new requirements,
- make future maintenance easier, or
- cope with a changed environment.

In some cases, maintainability involves a system of continuous improvement - learning from the past in order to improve the ability to maintain systems, or improve reliability of systems based on maintenance experience.

