Ahsanullah University of Science & Technology
Department of Computer Science & Engineering

Media Player

Software Development II (CSE 2100)

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ABSTRACT

The project titled "Media Player" is a media management software for operating and controlling videos or audios. This project will be developed using Netbeans 8.2 and JavaFX most. JavaFX is an open source, next generation client application platform for desktop, mobile and embedded systems built on Java. JavaFX is a software platform for creating and running desktop applications, as well as rich web applications that can run across a wide variety of devices. This software mainly focuses on media relate operations in a media playlist as well as some special features like facility of user control panel increasing and decreasing volume, forward and backward moving, Play, Pause, Stop etc. A user using our media Player will have the opportunity to select his/her preferable video and plays it also user can mark videos as users favorite ones and saved it. Admins will have the access to update and modify media players and fixed more accurately. There will be a Help option for the users to get help relate about player. Also user will have an about and an donate option to donate for the improvement of media player and about for letting know about the authors about the media player to improve which later can be viewed by the admins.

Overall the key purpose of this project is to provide a friendly environment to the users as well as the media features to maintain the media things the best way possible and help reducing the human efforts.

Software Platform:

- The project will be developed using JavaFX
- Netbeans 8.2
- MySQL server

Identification of functional requirements:

- ## **Premium Platform**
  User from this platform will have access to to PlayList Zone.

- ## **General Platform**
  User from this platform won't have access to the PlayList Zone.

- ## **Choose File:**
  From file option we will select the required video form our folder or playlist to play.
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- ## **Play:**
  Using this button user can play a media player.

- ## **Pause:**
  Using this button user can pause a media player.

- ## **Stop:**
  Using this button user can stop a media player.

- ## **10 Second Forward:**
  Using this button user can forward the player plus 10 second.

- ## **10 Second Backward:**
  Using this button user can backward the player minus 10 second.

- ## **Speed ComboBox:**
Using this Combo Box user can increase player speed to 2x or 4x.

- ## **Control Panel:**
User can adjust volume here. Also user will get Pause/Resume, Forward/Backward option in this panel, Media Speed maintain, Stop and Exit option.

- ## **Exit:**
User can exit from the media player using this button easily.

- ## **Repeat Button:**
Using this user can play repeatedly one after one player.

- ## **PlayList:**
User can create his playlist according to his choice and save favorite songs or videos there.

- ## **Help:**
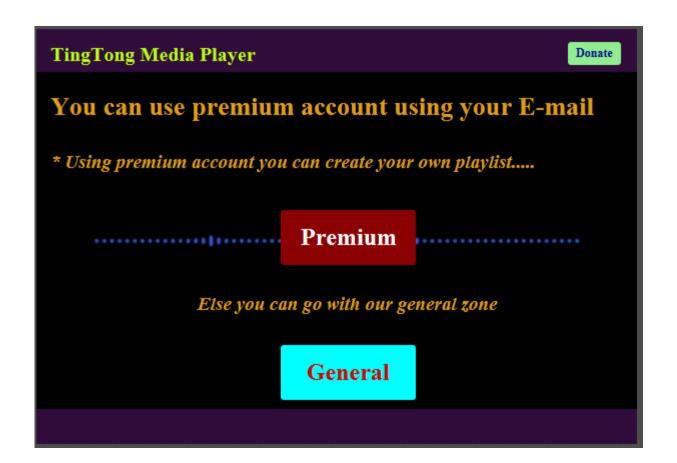This function will help to inform admin about user issues that user faces.

- ## **About:**
User can have knowledge using about button about the authors.

- ## **Donation:**
Using this feature user can donate authors for the development of media player.

Table 01: Identifier and priority for software requirement

#	Requirement	Priority
R1	Premium	High
R2	General	High
R3	Play	High
R4	Pause	High
R5	Stop	High
R6	Forward 10 Sec	Medium
R7	Backward 10 Sec	Medium
R8	Speed ComboBox	High
R9	Exit	Medium
R10	About	Low
R11	PlayList	High
R13	Create Account	High
R14	Login	High
R15	Help	Medium
R16	Donation	Medium

TingTong Media Player

You can use premium account using your E-mail

* Using premium account you can create your own playlist.....

Premium

Else you can go with our general zone

General

About   PlayList   Help

Premium User Zone

Username: Enter your username

Password: Enter your password

Login

Doesn't have an account?

Create New Account

JAVA FX Media Player

PlayList Media

Song Name

AUST

Music 2

Music1

Enter a song name: Enter from your PlayList

Play

Difficulties that are faced while making this project:

- ➢ **Netbeans 8.2 become too much slow while writing and executing lengthy code.**

- ➢ **Some of the features are unique so it is tough to solve errors about it.**

- ➢ **Exceptions are not that much informative, so that very hard to debug.**

- ➢ **MySQL is a bit tough to deal according our short knowledge.**

- ➢ **JAVAFX is best but sometimes FXML and Controller become very much hard to resolve the errors.**