

BACHELOR OF COMPUTER APPLICATION

R.D COLLEGE SHEIKHPURA

(A CONSTITUENT UNIT OF MUNGER UNIVERSITY)

MUNGER UNIVERSITY, MUNGER



GROUP-B

SUBJECT	: VISUAL BASIC
SUBJECT CODE	: 405
PROJECT NAME	: MEDIA PLAYER
SEMESTER	: 4 TH
SESSION	: 2021-2024



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UNDER THE GUIDENCE OF ANJANI SIR

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SUPERVISION

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EXTERNAL EXAMINER

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ACKNOWLEDGEMENTS

Apart from the efforts of my team, the success of any project depends largely on the encouragement and guidelines of many others we take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this Project:

we express deep sense of gratitude to almighty god for giving us strength, for the successful completion of the project.

we express our heartfelt gratitude to our parents for constant encouragement while carrying out this project.

We gratefully acknowledge the contribution of the individual who contributes in bringing this project up to this level, who continues to look after us despite our flaws.

who express our deep sense of gratitude to the luminary the principal, Dr. Diwakar sir who has been continuously motivating and extending their helping hand to us.

we express our sincere thanks to our class teacher TP sir, Anjani sir, for constant encouragement and the guidance provided during this project. The guidance and support received from all the members who contributed and who are contributing to this project, was vital for the success of the project we are grateful for their constant support and help.

PREFACE

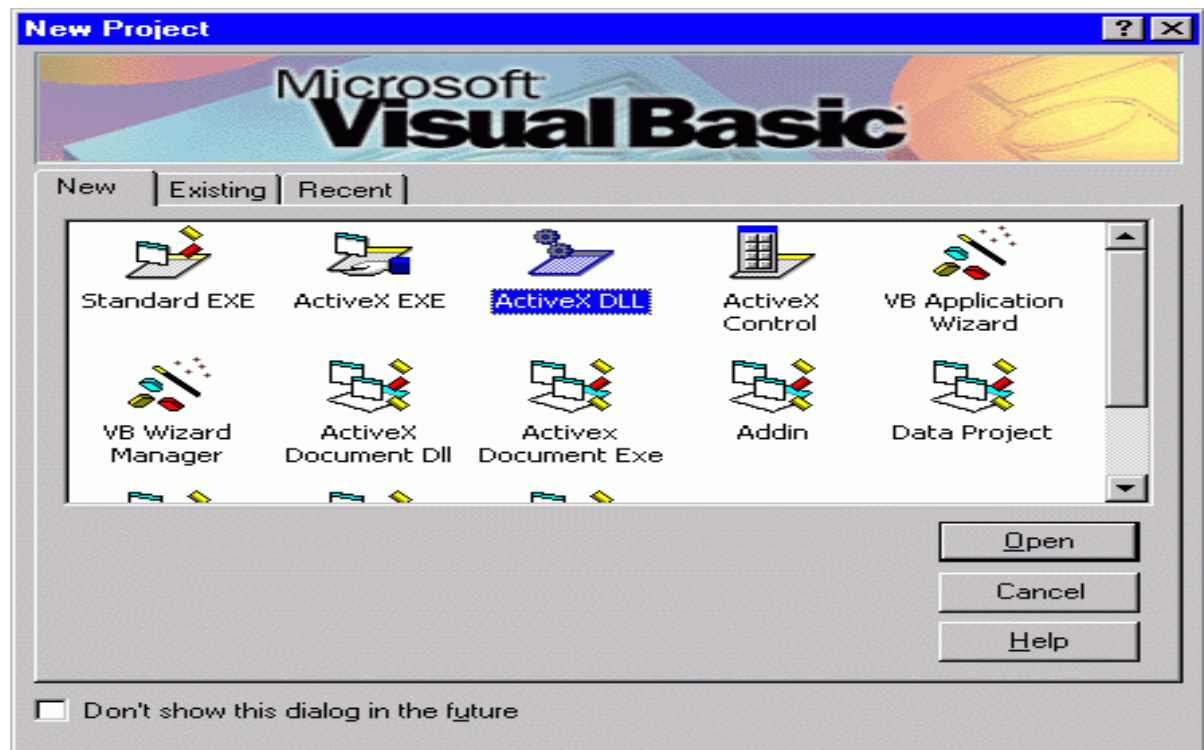
- In the preparation of this project of MEDIA PLAYER , we have precisely demarcated all the important point.we have made our best possible efforts to remove all the errors.
- It is a greate pleasure for us to thanks all these valuable suggestions that have given to us by ANJANI SIR. We must thank and guidance as well as our parents,teachers who directed us to complete this project.

INTRODUCTION IN VISUAL BASIC

Visual Basic (VB) is an object-oriented language and development environment created by Microsoft in 1991. It has evolved from the earlier version of 'BASIC'

language, which stands for 'Beginners All-purpose Symbolic Instruction Code.'

Under the VB programming framework, software developers can use GUI-based features to alter sections of code by dragging and dropping objects. It allows programmers to define the behavior, function, and appearance of different objects by using graphical elements.



INTRODUCTION OF MEDIA PLAYER

Media plays provide most or all of the following features. They allow users to organize their multimedia collection play songs and movies rip cd tracks to mp3 and other audio formats, burn cds,listen to internet radio,download content from online music stores and stream content from the internet.



CONCLUSION

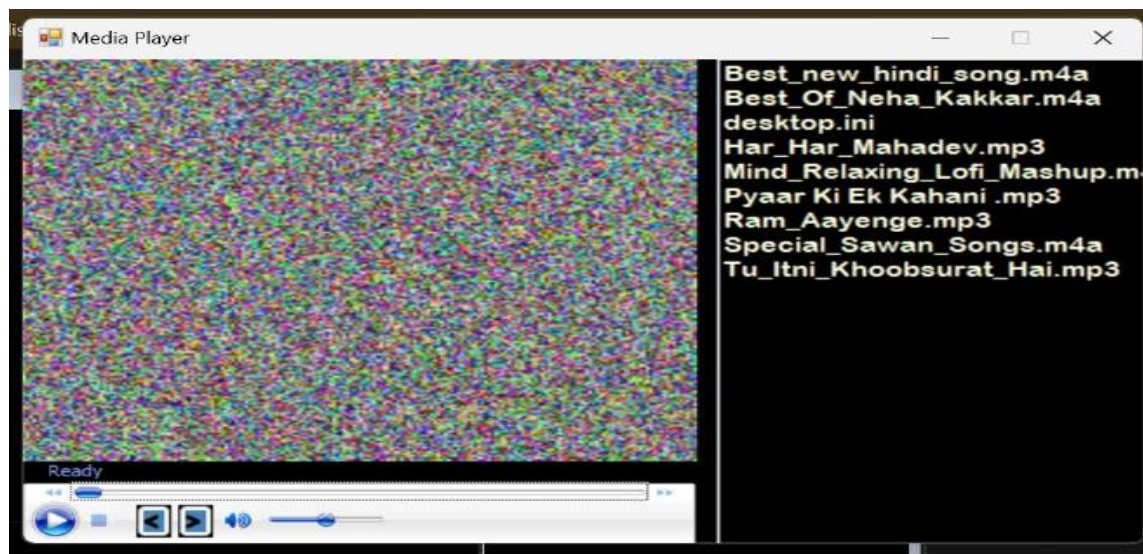
- The media player considered about improving functionality in term of user interface format support through the inclusion of codes.
- Improvement in user experience through video running in background ,dual audio support, subtitle support for all formate.
- Single application for audio as well as videos.

OBJECTIVE

- The major objective of this project was to develop a music app that enhances a user's music experience. The system is broken down into the following modules:
- Albums:- allow user to create album, delete or mark them as fovourite.
- Songs:- allow user to add song to album delete them and mark as fovourite.
- Users:- this module allow user to create accounts, login, view & edit their profile.

In the source code window, the object displayed is form1 and the associated procedure is load.

DESIGN MAIN SCREEN



SOURCE CODE

```
Imports System.IO

Public Class Form1

    Private audioFiles As List(Of String)

    Private audioFiles2 As List(Of Object)

    Private currentTrackIndex As Integer = 0

    Dim paths As String()

    Dim fileNames As String()

    *****Main Load*****

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

        Dim folderPath As String = "C:\Users\chhot\Music"

        fileNames = Directory.GetFiles(folderPath, ".")

        ' Get all audio files in the folder

        audioFiles = Directory.GetFiles(folderPath, ".").ToList()

        ' Load the first track

        LoadTrack(currentTrackIndex)

        AxWindowsMediaPlayer1.Ctlcontrols.stop() 'Stop first audio

        For i As Integer = 0 To fileNames.Length - 1

            'ListBox1.Items.Add(fileNames(i)) 'This is add file path

            ListBox1.Items.Add(Path.GetFileName(fileNames(i)))

        Next

    End Sub

    *****Set Data in ListBox*****
```

```

Private Sub ListBox1_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
    ListBox1.SelectedIndexChanged
    Dim index As Integer = ListBox1.SelectedIndex.ToString()
    Dim CurrentUrl As String = audioFiles(index)
    AxWindowsMediaPlayer1.URL = CurrentUrl
    'Get Thumbnail from URL
    Dim thumbnail As Image = GetSongThumbnail(CurrentUrl)
    'Set Thumbnail in panel
    Panel1.BackgroundImage = thumbnail
    Panel1.BackgroundImageLayout = ImageLayout.Stretch
    AxWindowsMediaPlayer1.Ctlcontrols.play()
End Sub

****GetSongThumbnail****

Private Function GetSongThumbnail(audioFilePath As String) As Image
    Dim tagFile As TagLib.File = TagLib.File.Create(audioFilePath)
    ' Check if the file has a picture (thumbnail)
    If tagFile.Tag.Pictures.Length > 0 Then
        Dim pictureData As Byte() = tagFile.Tag.Pictures(0).Data.Data
        Using memoryStream As New MemoryStream(pictureData)
            Return Image.FromStream(memoryStream)
        End Using
    Else
        Return GenerateRandomColorImage(200, 200)
    End If
End Function

'=====Generate a random color image=====

Private Function GenerateRandomColorImage(width As Integer, height As Integer) As Image

```

```

Dim random As New Random()
Dim bitmap As New Bitmap(width, height)
For x As Integer = 0 To width - 1
    For y As Integer = 0 To height - 1
        Dim color As Color = GenerateRandomColor(random)
        bitmap.SetPixel(x, y, color)
    Next
Next
Return bitmap
End Function

'=====Generate a random color=====
Private Function GenerateRandomColor(random As Random) As Color
    Dim red As Integer = random.Next(256)
    Dim green As Integer = random.Next(256)
    Dim blue As Integer = random.Next(256)
    Return Color.FromArgb(red, green, blue)
End Function

'=====Load Audio for ready to play=====
Private Sub LoadTrack(index As Integer)
    If index >= 0 AndAlso index < audioFiles.Count Then
        ' Set the URL of the media player to the selected audio file
        AxWindowsMediaPlayer1.URL = audioFiles(index)
        ' Get the thumbnail from the audio file (you can customize this based on your needs)
        Dim thumbnail As Image = GetSongThumbnail(audioFiles(index))
        ' Set the thumbnail as the background of the PictureBox
        Panel1.BackgroundImage = thumbnail
        Panel1.BackgroundImageLayout = ImageLayout.Stretch
    End If
End Sub

```

```

End If
End Sub

'=====Next & Previous button=====

' Play the next track
Private Sub btnNext_Click(sender As Object, e As EventArgs) Handles btnNext.Click
currentTrackIndex = (currentTrackIndex + 1) Mod audioFiles.Count
LoadTrack(currentTrackIndex)
End Sub

' Play the previous track
Private Sub btnPrevious_Click_1(sender As Object, e As EventArgs) Handles btnPrevious.Click
currentTrackIndex = If(currentTrackIndex > 0, currentTrackIndex - 1, audioFiles.Count - 1)
LoadTrack(currentTrackIndex)
End Sub
End Class

```

OUTPUT



FUTURE SCOPE OF THE PROJECT

Our project will be able to implement in the future after making some changes and modification as we make our project at a very low level. So the modification that can be done in our project are:

- Creating chat rooms to discuss about upcoming or newly released albums/records.
- More format support.
- More interactive use interface.
- Commenting the playlist rating and reviewing the albums.

BIBLIOGRAPHY

For successfully completing our project on media player. we have take help form the following websites like.

<https://www.researchgnte.net>

<https://en.m.wikipedia.org>wiki>

youtube