VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590 018

A Project work Phase-I Report
on

"MELODY-WEE"

Submitted in partial fulfillment of the requirements for the VII Semester ***Bachelor of Engineering in Computer Science and Engineering***
of Visvesvaraya Technological University, Belagavi

by

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COURSERA

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2020-2021

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(NBA ACCREDITED FOR ACADEMIC YEARS 2018-19, 2019-20, 2020-21)

CERTIFICATE

Certified that the Internship Project work entitled "***MELODY-WEE***" has been successfully carried out by **KARTHIK C** bearing **1RN17CS042** bonafide student of **RNS Institute of Technology** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the Internship- project requirements of 7th semester BE in CSE.

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Dr. Kiran P
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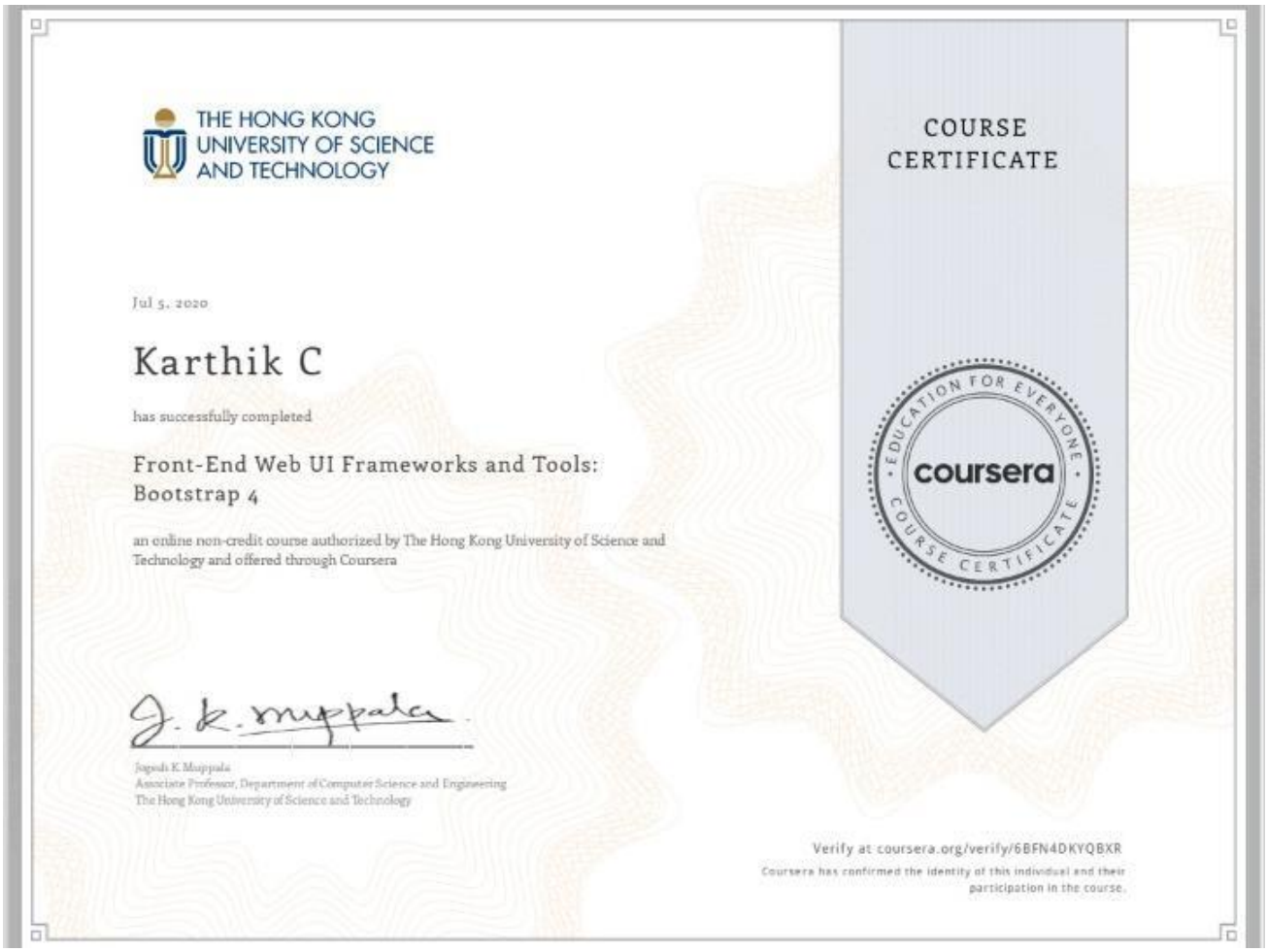
External Viva:

Name of the Examiners **Signature with Date**

1.

2.

COURSERA CERTIFICATE



ACKNOWLEDGMENT

Any achievement, be it scholastic or otherwise does not depend solely on the individual efforts but on the guidance, encouragement and cooperation of intellectuals, elders and friends. A number of personalities, in their own capacities have helped us in carrying out this project work.

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Date:

Place: Bengaluru **KARTHIK C (1RN17CS042)**

ABSTRACT

This project aims to build a responsive music website which is the best solution for creating a centralized location where music fans can listen to their favorite artist songs, check the latest albums, popular artists and find out about their upcoming concerts and new releases.

This responsive music website is an HTML website, fully responsive, flexible, optimized and cross-browser compatible.

Media usage is changing rapidly these days. This process has been ignited by several technological advances, in particular, the availability of the broadband internet, the world wide web, affordable mass storage, and high quality of media formats. Everyone has their own taste in music, but now one thing that's common is the fact we listen to a lot of songs on a daily basis.

Many music lovers have now accumulated collections of music that have reached sizes that make it hard to maintain an overview of the data by just browsing hierarchies of folders and searching by song title or album. Everyone has their own taste in music, but one thing that's common is the fact that we listen to a lot of songs on a daily basis. What if you're low on storage and would like to listen the songs on the go? Well, this project right here is the answer to this every question.

The technologies which I am using are HTML, CSS, Bootstrap, and JavaScript for the development of this project.

CONTENTS

LIST OF FIGURES

CHAPTER 1

INTRODUCTION

Web consists of billions of clients and server connected through wires and wireless networks. The web clients make requests to web server. The web server receives the request, finds the resources and return the response to the client. When a server answers a request, it usually sends some type of content to the client. The client uses web browser to send request to the server. The server often sends response to the browser with a set of instructions written in HTML (Hypertext Mark-up Language). All browsers know how to display HTML page to the client.

1.1 ORGANIZATION

1.1.1 Company Profile

Coursera was founded by Daphne Koller and Andrew Ng in 2012 with a vision of providing life-transforming learning experiences to learners around the world. Today, Coursera is a global online learning platform that offers anyone, anywhere, access to online courses and degrees from leading universities and companies.

76 million learners, 100+ Fortune 500 companies, and more than 6,400 campuses, businesses, and governments come to Coursera to access world-class learning—anytime, anywhere. Coursera partners with more than 200 leading universities and companies to bring flexible, affordable, job-relevant online learning to individuals and organizations worldwide.

We offer a range of learning opportunities—from hands-on projects and courses to job-ready certificates and degree programs.

Coursera courses last approximately four to twelve weeks, with one to two hours of video lectures a week. These courses provide quizzes, weekly exercises, peer-graded and reviewed assignments, an optional Honors assignment and sometimes a final project or exam to complete the course.[21] Courses are also provided on-demand, in which case users can take their time in completing the course with all of the material available at once. As of May 2015, Coursera offered 104 on-demand courses it also provides guided projects which are short 2-3 hour projects that can be done.

As of 2017, Coursera offers full master's degrees. They first started with Master's in Innovation and Entrepreneurship (OMIE) from HEC Paris and Masters of Accounting (iMSA) from the University of Illinois, but have moved on to offer Master of Computer Science in Data Science and Master of Business Administration (iMBA), both from University of Illinois. Also as part of MBA; there are some courses are offered separately and will be included in the curriculum of MBA when being enrolled in like digital marketing courses.

1.1.2 Domain/ Technology

Front-End Web UI Frameworks and Tools: Bootstrap 4 by The Hong Kong University of Science and Technology. This course deals with all thing's client-side. This course will give us an overview of client-side web UI frameworks, in particular Bootstrap 4. We will learn about grids and responsive design, Bootstrap CSS and JavaScript components. We will learn about CSS preprocessors, Less and Sass. We will also learn the basics of Node.js and NPM and task runners like Grunt and Gulp.

At the end of this course, we will be able to:

- Set up, design and style a web page using Bootstrap 4 and its components.
- Create a responsive web page design.
- Make use of web tools to setup and manage web sites.

1.2 PROBLEM STATEMENT

1.2.1 Existing system and their limitation

The responsive music website can be an open upload platform where Artists can sign up and upload or showcase their own with the audience. The design/style of the website can be modified depending upon the creator interests.

The Limitation of Existing System: -

- You Need Lots of Plugins for Additional Features.
- No sign-up or login page for users, and admins to log in and view, listen to their favorite music.
- The front-end can be improved depending upon the needs.

1.2.2 Proposed Solution

The website design can be more responsive by using the latest add-ins, features, effects. and provide various features to make the user interaction more friendly. By updating the website regularly according to the latest technologies will be benefitted by both user and the admin.

CHAPTER 2

REQUIREMENT ANALYSIS, TOOLS & TECHNOLOGIES

2.1 Hardware & Software Requirements

The Hardware requirements are very minimal and the program can be run on most of the machines.

Processor	:	Pentium 4 processor
Processor Speed	:	2.4 GHz
RAM	:	1 GB
Storage Space	:	40 GB
Monitor Resolution	:	1024*768 or 1336*768 or 1280*1024

The Software requirements are very minimal and the program can be run on machines with these requirements satisfied.

Editor	:	Atom, Sublime
Operating System	:	Windows Operating System
Frontend Tool	:	HTML 5, CSS3, JavaScript, Bootstrap4

2.2 Functional Requirements

HTML

Hypertext Mark-up Language (HTML) is the standard mark-up language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML documents from a web server or from local storage and render them into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects, such as interactive forms, may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delimited by tags, written using angle brackets. Tags such as <img /> and <input /> introduce content into the page directly. Others such as ... surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript which affect the behavior and content of web pages. Inclusion of CSS defines the look and layout of content.

CSS

Cascading Style Sheet (CSS) is a style sheet language used for describing the presentation of a document written in a mark-up language. Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is applicable to rendering in speech, or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications, and user interfaces for many mobile applications.

CSS is designed primarily to enable the separation of presentation and content, including aspects such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple HTML pages to share formatting by specifying the relevant. CSS in a separate .css file and reduce complexity and repetition in the structural content.

JAVASCRIPT

JavaScript often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multiparadigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it for client-side page behavior and all major web browsers have a dedicated JavaScript engine to execute it. As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM). However, the language itself does not include any input/output (I/O), such as networking, storage, or graphics facilities, as the host environment (usually a web browser) provides those APIs.

BOOTSTRAP4

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

Bootstrap4 is the newest version of Bootstrap, which is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.

2.3 Tools/ Languages/ Platform

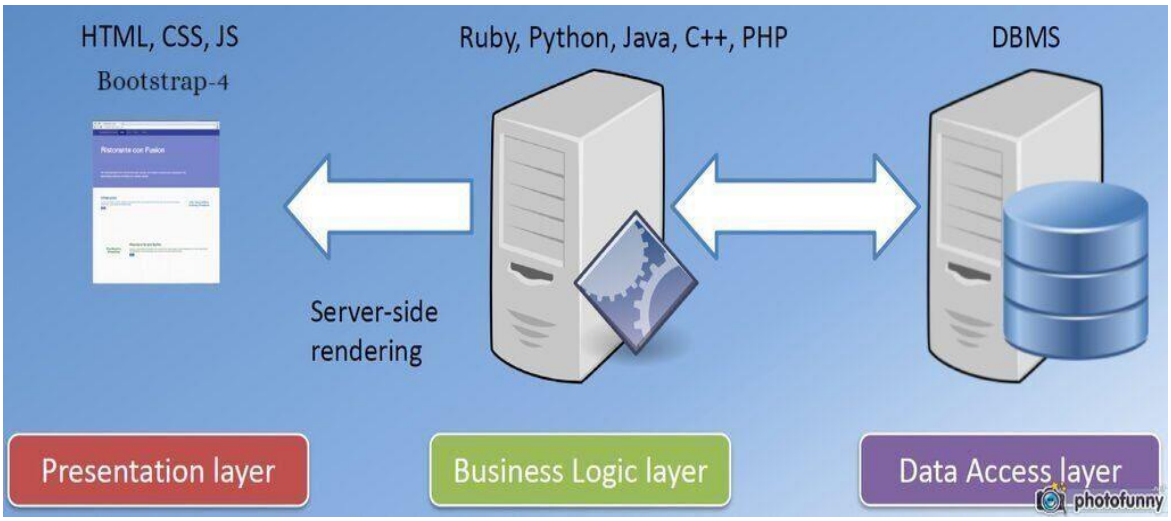
Various tools used in making this website is given below: -

Editor	:	Atom/Sublime
Operating System	:	Windows Operating System
Languages & Tools	:	HTML, CSS, JavaScript, Bootstrap4

CHAPTER 3

DESIGN AND IMPLIMENTATION

3.1 Architecture/Sequence diagram/Class diagrams /Flowchart



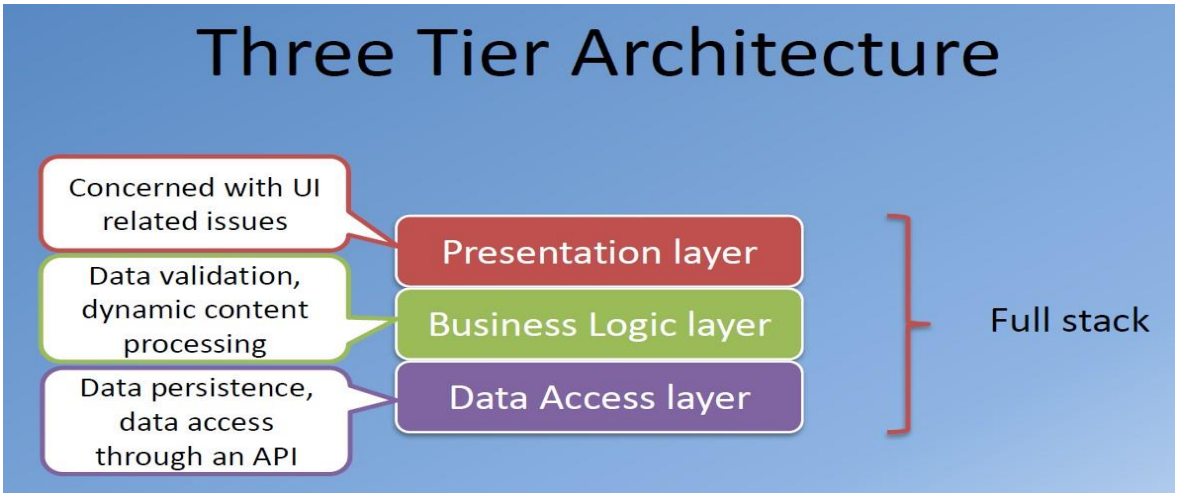


Fig. 1 Three Layer Architecture

3.2 Libraries used / API'S

1. Bootstrap4
2. jQuery

CHAPTER 4

OBSERVATIONS AND RESULTS

4.1 CODE

4.1.1 Code segment of home page

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="description" content="">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
    fit=no">
!-- The above 4 meta tags *must* come first in the head; any other head content must
 come
*after* these tags -->
<!-- Title -->

    <title>Melody-wee</title>
    <!-- Favicon -->
    <link rel="icon" href="img/core-img/favicon.ico">
    <!-- Stylesheet -->
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <!-- Preloader -->
    <div class="preloader d-flex align-items-center justify-content-center">
```

```
    <div class="lds-ellipsis">
      <div></div>
      <div></div>
      <div></div>
      <div></div>
    </div>
  </div>
```

4.1.2 Code segment of album page

```
<header class="header-area">
    <!-- Navbar Area -->
    <div class="melody-main-menu">
      <div class="classy-nav-container breakpoint-off">
        <div class="container">
          <!-- Menu -->
          <nav class="classy-navbar justify-content-between" id="melodyNav">
            <!-- Nav brand -->
            <a href="index.html" class="nav-brand"><img src="img/core-
            img/logo.png" alt=""></a>
            <!-- Navbar Toggler -->
            <div class="classy-navbar-toggler">
              <span
              class="navbarToggler"><span></span><span></span><span></span></s
              pan>
            </div>
            <!-- Menu -->
            <div class="classy-menu">
              <!-- Close Button -->
              <div class="classycloseIcon">
                <div class="cross-wrap"><span
```

```
class="top"></span><span class="bottom"></span></div>
                    </div>
```

4.1.3 Code segment of Event page

```
    <section class="events-area section-
                padding-100">
<div class="container">
   <div class="row">


          <!-- Single Event Area -->
          <div class="col-12 col-md-6 col-lg-4">
             <div class="single-event-area mb-30">
                <div class="event-thumbnail">
                   <img src="img/bg-img/e1.jpg" alt="">
                </div>
   !-- Single Event Area -->
              <div class="col-12 col-md-6 col-lg-4">
                 <div class="single-event-area mb-30">
                    <div class="event-thumbnail">
                       <img src="img/bg-img/e2.jpg" alt="">
                    </div>
                    <div class="event-text">
                       <h4>The Mission</h4>
                       <div class="event-meta-data">
                          <a href="#" class="event-place">Gold Arena</a>
                          <a href="#" class="event-date">June 15, 2021</a>
                       </div>
                       <a href="#" class="btn see-more-btn">See Event</a>
                    </div>
                 </div>
              </div>
```

4.1.4 Contact page

```
<section class="contact-area section-padding-100-0">
  <div class="container">
    <div class="row">
      <div class="col-12 col-lg-3">
        <div class="contact-content mb-100">
          <!-- Title -->
          <div class="contact-title mb-50">
            <h5>Contact Info</h5>
          </div>
          <!-- Single Contact Info -->
          <div class="single-contact-info d-flex align-items-center">
            <div class="icon mr-30">
              <span class="icon-placeholder"></span>
            </div>
            <p>PADMANABHANAGAR, KA 560070</p>
          </div>
          <!-- Single Contact Info -->
          <div class="single-contact-info d-flex align-items-center">
            <div class="icon mr-30">
              <span class="icon-smartphone"></span>
            </div>
            <p>+919113666176</p>
          </div>
          <!-- Single Contact Info -->
          <div class="single-contact-info d-flex align-items-center">
            <div class="icon mr-30">
              <span class="icon-mail"></span>
            </div>
          <p>Karthikyadav2806@gmail.com</p> </div>
```

4.2 RESULTS/ SNAPSHOT

The outcomes of test results for a variety of user interactions with the application are discussed in the following sections of the chapter.

Index Page

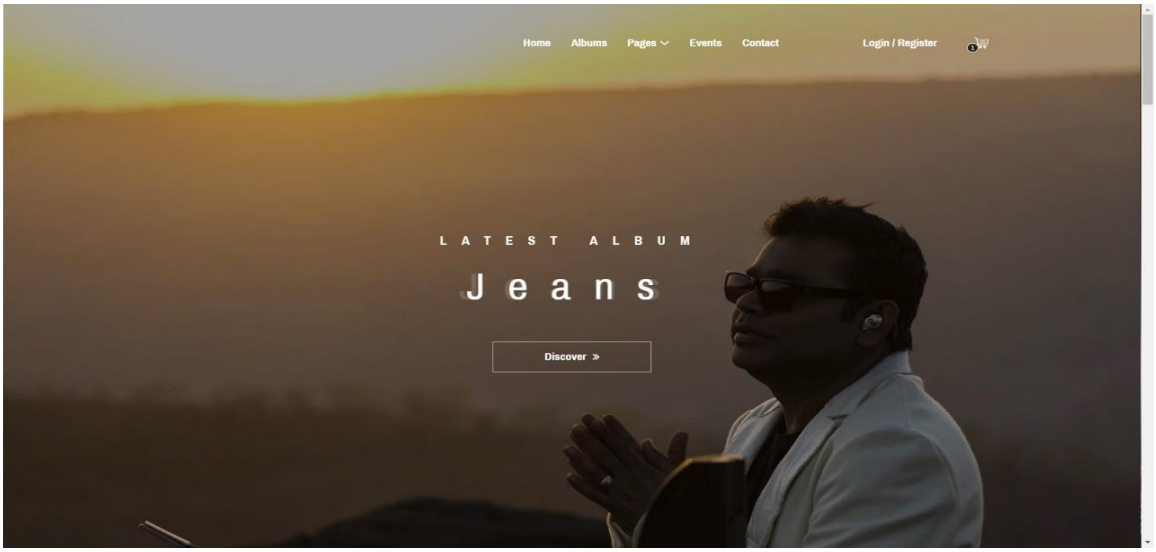


Figure 2 Home page

Home Page in which users can go through about the website.

Album page

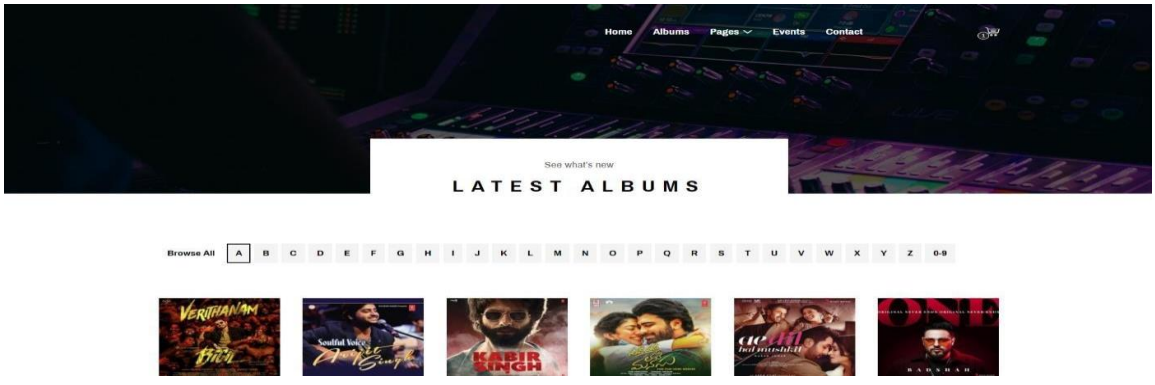


Figure 3 Album page

Album page from which users can know better about different set of songs.

Event Page

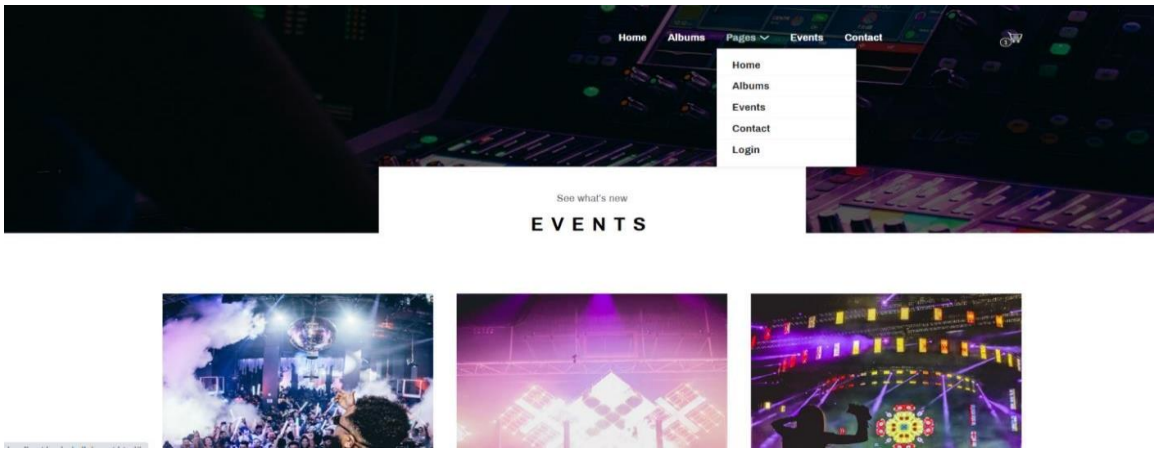


Figure 4 Event page

The above page tells the users about the schedule of the different events and concerts.

Contact Page

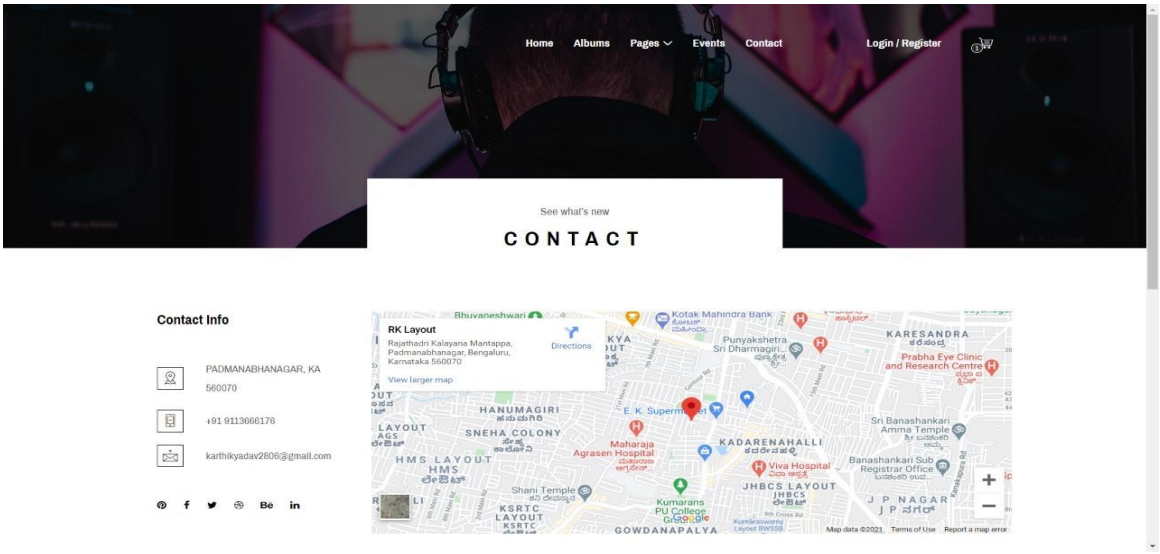


Figure 5 Contact page

This page tells the contact information to the users

The Play Section

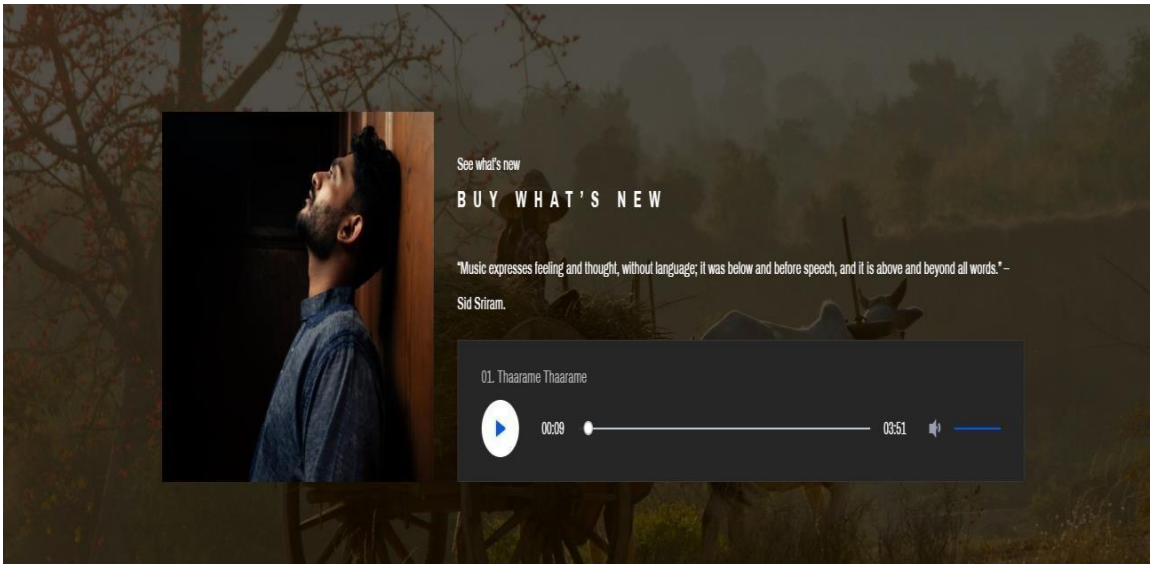


Figure 6 Play Section

This page provides the user to play the song.

CHAPTER 5

CONCLUSION AND FUTURE ENHANCEMENT

This responsive music website is an HTML website, fully responsive, flexible, optimized and cross-browser compatible. It has a modern web design with a zoom-in slideshow, loads content on the scroll and includes an audio player. The users can explore a large community of artists, bands, podcasters and creators of music and audio. Bootstrap is the most popular, HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.

FUTURE ENHANCEMENT

- The responsive music website can be an open upload platform where Artists can sign up and upload or showcase their own with the audience. Future work is to further improve the design and to add the backend database for the website.

REFERENCES

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