



# NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

## ABILITY ENHANCEMENT COURSE PROJECT REPORT

*for*

**WEB DESIGN TECHNOLOGIES (22CSE351)**

*on*

**Music Store**

*Submitted by*

**UDAY KUMAR,  
1NH22CS233,  
SEM-SEC: 3-E.**

**Academic Year: 2023-2024  
(Odd Semester)**



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## CERTIFICATE

This is to certify that the Ability Enhancement course project work titled  
**Music Store**

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Signature of Reviewer (s)

Signature of HOD

# ABSTRACT

The R-Music project is an online musical instrument store aimed at providing a seamless and delightful experience for music enthusiasts and professionals. Established in 2024, R-Music focuses on delivering a diverse range of high-quality musical instruments, categorized into string, wind, percussion, and electronic instruments.

## Key Features:

1. **User-Friendly Interface:** The website boasts an intuitive and user-friendly interface, allowing users to effortlessly navigate through different sections such as Home, About Us, Contact, and a dedicated Store with categorized instruments.
2. **Responsive Design:** Utilizing responsive design principles, R-Music ensures a consistent and visually appealing experience across various devices and screen sizes.
3. **Instrument Catalog:** The store features a wide variety of musical instruments, each accompanied by detailed information, images, and pricing. Instruments include guitars, violins, drums, keyboards, and more.
4. **Section Switching:** Users can seamlessly switch between Home, About Us, and Contact sections using the navigation menu, enhancing the overall user experience.
5. **Engaging Content:** Engaging content is provided, including quotes on the importance of music, information about the store's mission, and details on the instruments offered.
6. **Online Ordering:** Users can easily explore the instrument catalog and initiate the ordering process, with a dedicated "Visit Store" button leading to the instrument section.
7. **About Us Section:** A comprehensive "About Us" section shares the story and values of R-Music, emphasizing its commitment to quality, supporting local craftsmanship, and fostering a vibrant music community.
8. **Contact Information:** The "Contact Us" section provides essential information, including the founder's name, address, contact number, and email, facilitating easy communication.

R-Music aspires to provide not only a platform for purchasing musical instruments but also a community hub for music lovers. The project combines aesthetic design, functionality, and a commitment to musical excellence, creating an immersive online space for the celebration of music.

## ACKNOWLEDGEMENT

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**UDAY KUMAR,  
1NH22CS233,  
SEM-SEC: 3-E**

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## **1 . INTRODUCTION**

Welcome to RMusic, your gateway to a harmonious world of musical enchantment. Founded in 2024, RMusic embarks on a melodic journey with a mission to redefine your music experience. Our online platform invites you to explore a diverse array of musical instruments that resonate with both contemporary and traditional vibes, ensuring a harmonious adventure for every musician, from beginners to seasoned artists. Our commitment extends beyond commerce – we celebrate musical mastery, source harmony locally to ensure top-notch quality, and define our identity through warm hospitality. At RMusic, we blend global influences with timeless craftsmanship, curating a collection that not only sounds exquisite but also inspires musical excellence. Join us on this rhythmic odyssey, where beautiful music becomes the soundtrack to your dreams. Thank you for choosing RMusic; established in 2024, we are excited to be part of your musical journey, harmonizing with you with passion and excellence.

## 1.1 OBJECTIVES

1. Create a Responsive Website: The use of meta tags like `<meta name="viewport" content="width=device-width, initial-scale=1.0">` and responsive design principles in CSS (@media queries) indicates an objective to ensure the website adapts well to various screen sizes and devices.
2. Design a Music Store Interface: The code includes sections for different categories of musical instruments, such as string instruments, wind instruments, percussion instruments, and electronic instruments. Each category is represented with images, names, and prices.
3. Implement Navigation: The website includes a navigation bar with Home, About, and Contact sections. Clicking on these sections triggers JavaScript functions (`hom()`, `about()`, `conta()`) to toggle the display of relevant content, providing a seamless navigation experience.
4. Enhance User Experience with Styling: The CSS styles aim to enhance the visual appeal and user experience of the website. This includes background images, box shadows, rounded corners, and color schemes to create an aesthetically pleasing interface.
5. Create Dynamic Content Display: The JavaScript functions (`ord()`, `hom()`, `about()`, `conta()`) dynamically control the visibility of different sections, allowing the user to navigate through Home, About Us, and Contact Us sections without reloading the page.
6. Provide Information About RMusic: The "About Us" section gives users insight into the background and mission of RMusic, emphasizing its commitment to musical excellence, local sourcing, hospitality, and community engagement.
7. Offer Contact Information: The "Contact Us" section provides essential contact details, including the founder's name, address, phone number, and email address, enabling users to reach out for inquiries.
8. Encourage User Interaction: The "Visit Store" button in the "Welcome to RMusic" section, with an associated `ord()` function, encourages users to explore the store, promoting interaction and potential conversions.

## 1.2 METHODOLOGY

The methodology for developing the RMusic website involves a combination of HTML, CSS, and JavaScript to achieve a responsive and visually appealing online platform for showcasing and selling musical instruments. Here is a breakdown of the methodology:

### 1. HTML Structure:

- **Document Structure:** The HTML (`<!DOCTYPE html>`) sets up the basic structure of the document, defining the language, character set, and viewport.
- **Sections:** The website is divided into sections, including the navigation bar (**menubar**), the main content area (**tot, orde, abo, con**), and various subsections for instruments (**menu, items, box**).

### 2. CSS Styling:

- **Global Styling:** The CSS styles (`* { ... }`) provide a global reset, removing default margins and paddings.
- **Body Styling:** The body background is set with a linear gradient and an image (**background-image: linear-gradient(...) url(...)**).
- **Container Styling:** Different sections and containers have specific styles, such as background colors, box shadows, and border-radius, enhancing the visual appeal.

### 3. Navigation Bar:

- **Flexbox Layout:** The navigation bar (**menubar**) uses flexbox for a responsive layout, and the navigation items are styled with padding and cursor effects.
- **Event Handling:** JavaScript functions (**hom(), about(), conta(), ord()**) are triggered by clicking on navigation items to toggle the display of relevant sections.

### 4. Dynamic Content Display:

- **Section Visibility:** The JavaScript functions dynamically manipulate the CSS **display** property to control the visibility of different sections (**none** for hiding, **flex** for displaying).

### 5. Instrument Display:

- **Categories:** Musical instruments are categorized into string, wind, percussion, and electronic instruments, each represented by a **menu** section.
- **Images and Information:** Each instrument is displayed in a **box** with an image, name, and price.

## **6. About Us and Contact Us:**

- **Content Presentation:** The "About Us" and "Contact Us" sections are styled for readability with appropriate margins, padding, and font sizes.
- **Contact Information:** Essential contact details are presented clearly in the "Contact Us" section.

## **7. Responsive Design:**

- **Media Queries:** The use of `@media` queries indicates an effort to make the website responsive, adapting to different screen sizes.

## **8. Encouraging User Interaction:**

- **Visit Store Button:** The "Welcome to RMusic" section includes a button (`button`) that, when clicked, triggers the `ord()` function to navigate to the store section.

This methodology ensures a well-structured, visually appealing, and interactive website for RMusic, meeting the objectives of presenting instruments, providing information about the brand, and encouraging user engagement.

## 1.3 EXPECTED OUTCOMES

The expected outcomes of the RMusic website development encompass various aspects that contribute to the overall success and effectiveness of the online platform. Here are the anticipated results:

### 1. User-Friendly Interface:

- **Intuitive Navigation:** Users should find it easy to navigate through the website, thanks to a clear and logically organized structure.
- **Responsive Design:** The website is expected to be responsive across different devices and screen sizes, ensuring a seamless user experience.

### 2. Aesthetic Appeal:

- **Visually Appealing:** The combination of background gradients, images, and well-designed containers is intended to create an aesthetically pleasing environment for visitors.
- **Instrument Presentation:** Instruments are showcased with high-quality images and relevant information, enhancing the visual appeal of the product catalog.

### 3. Information Accessibility:

- **Clear Content:** The "About Us" and "Contact Us" sections provide clear and concise information about the brand, its mission, and how to get in touch.
- **Instrument Details:** Users can easily access detailed information about each musical instrument, including images, names, and prices.

### 4. Engaging User Experience:

- **Interactive Navigation:** The use of JavaScript for navigation aims to make the user experience more engaging and dynamic.
- **Encouraging Action:** The "Visit Store" button prompts users to explore the store section, encouraging interaction and potential conversions.

### 5. Brand Image:

- **Brand Story:** The "About Us" section communicates the brand's story, values, and commitment to musical excellence, contributing to a positive brand image.
- **Harmonious Theme:** The overall design and content aim to convey a sense of harmony and passion for music associated with RMusic.

### 6. Functionality:

- **Script Execution:** The JavaScript functions are expected to work seamlessly, ensuring that users can navigate between different sections without encountering issues.
- **Instrument Display:** Instruments should be presented in a structured and

organized manner within their respective categories.

#### 7. Contact Interaction:

- **Accessible Contact Information:** Users should easily find and utilize the provided contact details for inquiries or communication with RMusic.
- **Email Link:** The clickable email link in the "Contact Us" section ensures straightforward communication via email.

#### 8. Adherence to Objectives:

- **Objective Alignment:** The development outcomes are expected to align with the objectives set for the RMusic website, meeting the goals of presenting instruments, providing brand information, and facilitating user interaction.

These expected outcomes collectively contribute to the success of the RMusic website, creating a positive online presence for the brand and fostering a harmonious experience for visitors and potential customers.

## 1.4 HARDWARE AND SOFTWARE REQUIREMENTS

The hardware and software requirements for hosting and running the RMusic website involve both server-side considerations for hosting and client-side requirements for users accessing the website. Below is an overview of these requirements:

### Server-Side (Hosting Environment):

#### 1. Web Hosting:

- **Server Type:** Apache, Nginx, or any other compatible web server.
- **Hosting Plan:** Depending on the expected traffic and performance requirements, choose an appropriate hosting plan (shared hosting, VPS, dedicated server).

### Client-Side (User's Browser):

#### 1. Web Browser:

- **Modern Browsers:** Google Chrome, Mozilla Firefox, Safari, Microsoft Edge, etc.
- **Browser Versions:** Ensure compatibility with recent versions for optimal performance.

#### 2. Device Compatibility:

- **Desktop and Laptops:** Support for various screen sizes and resolutions.
- **Mobile Devices:** Responsive design for smartphones and tablets.

#### 3. Internet Connection:

- **Connection Speed:** Design the website to be accessible over various internet speeds.

#### 4. JavaScript Support:

- **Enabled JavaScript:** Users should have JavaScript enabled in their browsers for interactive features.

#### 5. Additional Software:

- **Media Player:** If the website includes audio or video content, users may need a compatible media player (e.g., VLC, Windows Media Player).

#### 6. Operating System:

- **Cross-Platform Compatibility:** The website should be accessible across different operating systems (Windows, macOS, Linux).

### Development Environment (For Maintenance and Updates):

#### 1. Code Editor:

- **Text Editor or Integrated Development Environment (IDE):** Examples

include Visual Studio Code, Sublime Text, or any preferred code editor.

## 2. Version Control:

- **Git:** For version control and collaboration if multiple developers are involved.

## 3. FTP Client:

- **File Transfer Protocol (FTP) Client:** For uploading and managing files on the web server.

These hardware and software requirements provide a foundation for hosting and accessing the RMusic website. It's essential to keep software versions up to date, ensure security measures (SSL), and consider scalability for future growth. Additionally, testing the website on different browsers and devices helps ensure a smooth user experience.

## 2. WEB DESIGN TECHNOLOGIES USED

The RMusic website employs various web design technologies to create an interactive and visually appealing user experience. Here are the key web design technologies used in the code:

### 1. HTML (Hypertext Markup Language):

- **Role:** HTML is the standard markup language for creating the structure and content of web pages.
- **Usage:** Used to define the overall structure of the web pages, including headings, paragraphs, images, links, and other elements.

### 2. CSS (Cascading Style Sheets):

- **Role:** CSS is used for styling and layout to enhance the visual presentation of HTML elements.
- **Usage:** Applied to control the colors, fonts, spacing, and overall visual style of the website. It ensures a consistent and appealing design.

### 3. JavaScript:

- **Role:** JavaScript is a scripting language that enables dynamic and interactive features on web pages.
- **Usage:** Used for client-side scripting to handle events, create dynamic content, and facilitate user interactions. Functions such as displaying or hiding elements are implemented using JavaScript.

### 4. Responsive Web Design:

- **Role:** Ensures that the website adapts and provides an optimal user experience across various devices and screen sizes.
- **Usage:** Media queries and responsive design techniques are implemented in CSS to create a layout that is suitable for desktops, tablets, and smartphones.

### 5. DOM Manipulation (Document Object Model):

- **Role:** JavaScript interacts with the DOM, allowing dynamic changes to the content and structure of the web page.
- **Usage:** Used to update content, handle user inputs, and dynamically modify the page without requiring a full page reload.

### 6. Client-Side Scripting:

- **Role:** Enhances the client-side functionality and user experience.
- **Usage:** Functions such as displaying different sections of the website based on user interactions, transitioning between pages without reloading, and updating content dynamically.

### 7. Image Formats (e.g., WebP):

- **Role:** Optimizing and displaying images efficiently on the website.
- **Usage:** Images in the WebP format are used, which provides good compression without sacrificing quality, contributing to faster page loading times.

## 8. Navigation and Interaction:

- **Role:** Enhancing user navigation and interaction with the website.
- **Usage:** JavaScript functions are utilized for handling navigation between different sections of the website without requiring a full page reload. Click events on navigation items trigger smooth transitions.

These technologies collectively contribute to the overall design, functionality, and user experience of the RMusic website. They enable a seamless interaction between users and the content provided by the website, creating an engaging and visually pleasing environment for visitors.

## **3 .DESIGN**

### **1. User-Centric Interface**

The menu bar is organized for intuitive navigation, featuring distinct sections for Home, About, and Contact. This ensures users can effortlessly explore different areas of the website.

### **2. Aesthetic Appeal**

The design aims for a visually pleasing environment using background images and a soothing color scheme, notably antique white.

### **3. Responsive Design**

Employing responsive design techniques and media queries to adapt the layout dynamically for various devices and screen sizes.

### **4. Visual Elements**

High-quality images and visual elements enhance the presentation of musical instruments in each category.

### **5. Information Presentation**

Clear and concise information presentation with well-structured headings, paragraphs, and images for easy comprehension.

### **6. Consistent Branding**

A cohesive brand identity is maintained through the "RMusic" logo, consistent color schemes, and thoughtful font choices.

### **7. Interactive Elements**

JavaScript is used for interactive features like toggling between Home, About, and Contact sections, contributing to a modern and engaging user experience.

### **8. Accessibility**

The website adheres to accessibility standards, incorporating features such as alt text for images and a layout designed for screen readers and other assistive technologies, ensuring inclusivity.

In summary, the design of the RMusic website reflects a thoughtful integration of aesthetics, functionality, and user-centric principles. The combination of visual elements, interactive features, and performance optimization contributes to a captivating and enjoyable online experience for visitors.

### 3.1 DESIGN GOALS (FLOWCHART)

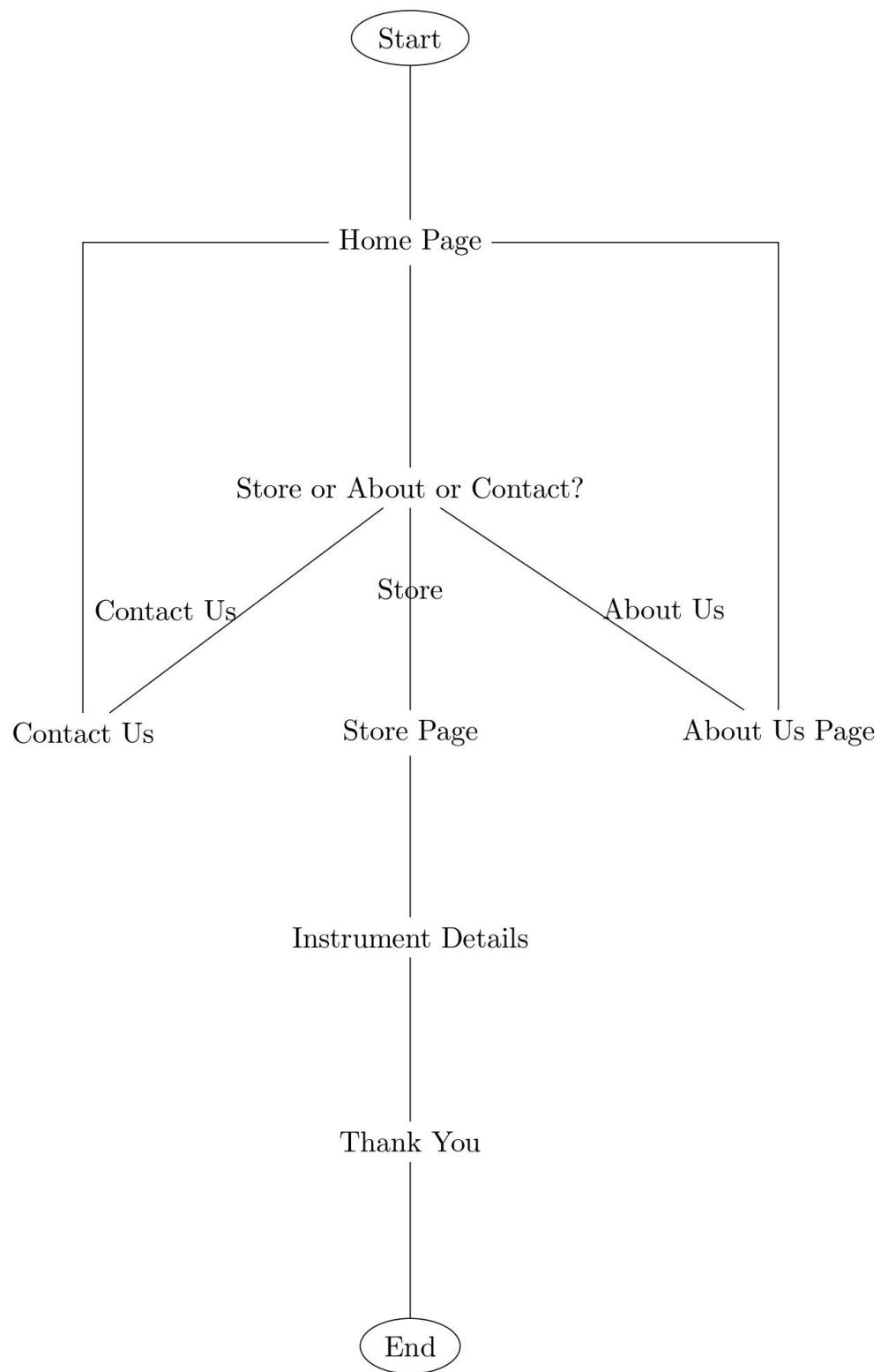


Fig.1 Flow chart

## 3.2 SOURCE CODE

### HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>R-Music</title>
    <link rel="stylesheet" href="Start.css">
</head>
<body>
    <div class="menubar">
        <div class="log">
            <h1>&nbsp;&nbsp;RMusic</h1>
        </div>
        <div class="tit">
            <div>
                <h3 onclick="hom()">Home</h3>
            </div>
            <div>
                <h3 onclick="about()">About</h3>
            </div>
            <div>
                <h3 onclick="conta()">Contact</h3>
            </div>
        </div>
    </div>
    <div class="tot">
        <div class="ord">
            <div class="hea">
                <h3>Welcome to RMusic</h3>
            </div>
            <div class="det">
                <p>Beautiful music is the art of the prophets that can calm the agitations of the soul;<br> It is one of the most magnificent and delightful presents God has given us. <br>-<strong>Martin Luther</strong></p>
            </div>
            <div class="buto">
                <button onclick="ord()">Visit Store</button>
            </div>
        </div>
    </div>
    <div class="orde">
        <div class="menu">
            <div class="head">
                <h2>String Instruments</h2>
            </div>
```

```
<div class="items">
    <div class="box">
        
        <h2>Guitar</h2>
        <p>Rs.30,000</p>
        <button onclick="thank()">Buy Now</button>
    </div>
    <div class="box">
        
        <h2>Violin</h2>
        <p>Rs.25,000</p>
        <button onclick="thank()">Buy Now</button>
    </div>
    <div class="box">
        
        <h2>Banjo</h2>
        <p>Rs.15,000</p>
        <button onclick="thank()">Buy Now</button>
    </div>
    <div class="box">
        
        <h2>Harp</h2>
        <p>Rs.40,000</p>
        <button onclick="thank()">Buy Now</button>
    </div>
    <div class="box">
        
        <h2>Mandolin</h2>
        <p>Rs.18,000</p>
        <button onclick="thank()">Buy Now</button>
    </div>
    </div>
</div>
<div class="menu">
    <div class="head">
        <h2>Wind Instruments</h2>
    </div>
    <div class="items">
        <div class="box">
            
            <h2>Flute</h2>
            <p>Rs.8,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Saxophone</h2>
            <p>Rs.35,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
    </div>

```

```
</div>
<div class="box">
    
    <h2>Clarinet</h2>
    <p>Rs.22,000</p>
    <button onclick="thank()">Buy Now</button>
</div>
<div class="box">
    
    <h2>Trumpet</h2>
    <p>Rs.28,000</p>
    <button onclick="thank()">Buy Now</button>
</div>
<div class="box">
    
    <h2>Trombone</h2>
    <p>Rs.30,000</p>
    <button onclick="thank()">Buy Now</button>
</div>
</div>
</div>
<div class="menu">
    <div class="head">
        <h2>Percussion Instruments</h2>
    </div>
    <div class="items">
        <div class="box">
            
            <h2>Drums</h2>
            <p>Rs.50,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Bongo</h2>
            <p>Rs.12,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Conga</h2>
            <p>Rs.15,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Marimba</h2>
            <p>Rs.45,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
    </div>

```

```
</div>
<div class="box">
    
    <h2>Xylophone</h2>
    <p>Rs.20,000</p>
    <button onclick="thank()">Buy Now</button>
</div>
</div>
</div>
<div class="menu">
    <div class="head">
        <h2>Electronic Instruments</h2>
    </div>
    <div class="items">
        <div class="box">
            
            <h2>Keyboard</h2>
            <p>Rs.25,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Synthesizer</h2>
            <p>Rs.40,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Electric Guitar</h2>
            <p>Rs.32,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>Drum Machine</h2>
            <p>Rs.18,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
        <div class="box">
            
            <h2>MIDI Controller</h2>
            <p>Rs.15,000</p>
            <button onclick="thank()">Buy Now</button>
        </div>
    </div>
</div>
<div class="tha">
    <div class="ord">
```

```
<div class="hea">
    <h3>Thank You For Shopping at RMusic</h3>
</div>
<div class="det">
    <p>Hope you to have a wonderful melodious day ahead.<br>Please Visit
Again</p>
</div>
<div class="buto">
    <button onclick="hom()">Go to Home</button>
</div>
</div>
<div class="abo">
    <div class="hea">
        <h1>About Us</h1><br><br>
        <h2>Our Melodic Journey</h2><br>
        <p>Embarking on a musical odyssey, RMusic was born in 2024 with a mission to
redefine the way you
            experience music. Our commitment is to offer a diverse range of musical
instruments that resonate with
            both contemporary and traditional vibes, ensuring a harmonious adventure for
every musician.</p><br>
        <h2>Celebrating Musical Mastery</h2><br>
        <p>At RMusic, our space is a haven of creativity, where skilled artisans and music
enthusiasts come
            together to curate instruments that not only sound exquisite but also inspire musical
excellence. We take
            pride in our collection, blending global influences with timeless
craftsmanship.</p><br>
        <h2>Sourcing Harmony Locally</h2><br>
        <p>Committed to quality, we source our materials locally to ensure each instrument
produces the highest caliber
            of sound. By supporting local craftsmen and artists, we not only guarantee top-
notch musical experiences
            but also contribute to the richness of our artistic community.</p><br>
        <h2>Harmonious Hospitality</h2><br>
        <p>Beyond our beautiful instruments, RMusic is defined by warm hospitality. Our
knowledgeable and
            passionate staff is here to make your musical journey exceptional, ensuring every
visit is filled with
            warmth, comfort, and genuine care.</p><br>
        <h2>Community of Crescendos</h2><br>
        <p>As a proud member of the music community, RMusic actively engages in
initiatives that promote
            musical education and well-being. We believe in fostering the love for music and
are dedicated to making
            a positive impact through various music programs and events.</p><br>
        <h2>Play On with Us</h2><br>
        <p>Whether you're a beginner or a seasoned musician, RMusic invites you to explore
our world of musical
```

delight. Find the perfect instrument, embark on a melodious journey, and let RMusic be the soundtrack to your musical dreams.

<h4>Thank you for choosing RMusic. Established in 2024, we are excited to be part of your musical journey, and we look forward to harmonizing with you with passion and excellence.</h4>

```

</div>
</div>
<div class="con">
    <div class="hea">
        <h1>Contact Us</h1><br>
        <p>For any inquiries, please contact us using the information below:</p><br>
        <p><strong>Founder:</strong> RMusic</p><br>
        <p><strong>Address:</strong> Marathahalli, Bangalore-560067</p><br>
        <p><strong>Contact Number:</strong> 9876543210</p><br>
        <p><strong>Email:</strong> <a href="mailto:RMusic@gmail.com">RMusic@gmail.com</a></p>
    </div>
</div>
</body>
</html>

```

#### CSS file:

```

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body {
    background-image: linear-gradient(to bottom, rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0.5)),
url(store.webp);
    background-size: cover;
    display: flex;
    flex-direction: column;
}
.menubar {
    width: 100%;
    display: flex;
    justify-content: space-between;
    background-color: antiquewhite;
    border-radius: 7px;
    opacity: 0.7;
}
.log h1 {
    padding: 15px;
}
.tit {
    display: flex;
    padding: 10px;
}
.tit div {

```

```

        padding: 15px;
    }
    .tit h3 {
        cursor: pointer;
    }
    .tot{
        width: 100%;
        height: 70vh;
        display: flex;
        align-items: center;
        justify-content: center;
        opacity: 0.9;
    }
    .ord {
        padding: 30px;
        border-radius: 5px;
        display: flex;
        flex-direction: column;
        box-shadow: rgba(6, 24, 44, 0.4) 0px 0px 0px 2px, rgba(6, 24, 44, 0.65) 0px 4px 6px -1px,
        rgba(255, 255, 255, 0.08) 0px 1px 0px inset;
        background-color: antiquewhite;
        opacity: 0.7;
    }
    .hea {
        padding: 15px;
        align-self: center;
    }
    .buto {
        padding: 15px;
        align-self: center;
    }
    .det {
        padding: 15px;
        flex-direction: column;
    }
    button {
        background-color: blanchedalmond;
        width: 100px;
        height: 50px;
        cursor: pointer;
    }
    .orde {
        display: none;
        padding: 15px;
        flex-direction: column;
    }
    .abo,.con {
        align-items: center;
        border-radius: 5px;
        box-shadow: rgba(50, 50, 93, 0.25) 0px 50px 100px -20px, rgba(0, 0, 0, 0.3) 0px 30px
        60px -30px, rgba(10, 37, 64, 0.35) 0px -2px 6px 0px inset;
        background-color: antiquewhite;
        display: none;
        padding: 15px;
        margin: 15px;
    }

```

```

        opacity: 0.8;
    }
    .abo,.con p {
        margin-left: 30px;
    }
    .menu {
        display: flex;
        flex-direction: column;
        padding: 20px;
        margin: 20px;
        box-shadow: rgba(0, 0, 0, 0.25) 0px 54px 55px, rgba(0, 0, 0, 0.12) 0px -12px 30px, rgba(0, 0, 0, 0.12) 0px 4px 6px, rgba(0, 0, 0, 0.17) 0px 12px 13px, rgba(0, 0, 0, 0.09) 0px -3px 5px;
        background-color: antiquewhite;
        border-radius: 7px;
        opacity: 0.8;
    }
    .items {
        padding: 20px;
        display: flex;
        justify-content: space-evenly;
    }
    .box {
        border-radius: 10px;
        width: fit-content;
        display: flex;
        box-sizing: border-box;
        align-items: center;
        justify-content: center;
        text-align: center;
        flex-direction: column;
        padding: 30px;
        margin: 30px;
        background-color: aliceblue;
        box-shadow: rgba(0, 0, 0, 0.25) 0px 54px 55px, rgba(0, 0, 0, 0.12) 0px -12px 30px, rgba(0, 0, 0, 0.12) 0px 4px 6px, rgba(0, 0, 0, 0.17) 0px 12px 13px, rgba(0, 0, 0, 0.09) 0px -3px 5px;
    }
    .box img {
        border-radius: 7px;
        max-width: 100%;
        height: 15vh;
        margin: 5px;
    }
    .box button{
        margin: 10px;
        border-radius: 7px;
    }
    .tha{
        width: 100%;
        height: 70vh;
        align-items: center;
        justify-content: center;
        opacity: 0.9;
        display: none;
        text-align: center;
    }
}

```

**JavaScript file:**

```
<script>
    function ord() {
        var hme = document.querySelector('.tot')
        var od = document.querySelector('.orde')
        var abt = document.querySelector('.abo')
        var cont = document.querySelector('.con')
        var than = document.querySelector('.tha')
        hme.style.display = 'none';
        od.style.display = 'flex';
        abt.style.display = 'none';
        cont.style.display = 'none';
        than.style.display = 'none';
    }
    function hom() {
        var hme = document.querySelector('.tot')
        var od = document.querySelector('.orde')
        var abt = document.querySelector('.abo')
        var cont = document.querySelector('.con')
        var than = document.querySelector('.tha')
        hme.style.display = 'flex';
        od.style.display = 'none';
        abt.style.display = 'none';
        cont.style.display = 'none';
        than.style.display = 'none';
    }
    function about() {
        var hme = document.querySelector('.tot')
        var od = document.querySelector('.orde')
        var abt = document.querySelector('.abo')
        var cont = document.querySelector('.con')
        var than = document.querySelector('.tha')
        hme.style.display = 'none';
        od.style.display = 'none';
        abt.style.display = 'flex';
        cont.style.display = 'none';
        than.style.display = 'none';
    }
    function conta() {
        var hme = document.querySelector('.tot')
        var od = document.querySelector('.orde')
        var abt = document.querySelector('.abo')
        var cont = document.querySelector('.con')
        var than = document.querySelector('.tha')
        hme.style.display = 'none';
        od.style.display = 'none';
        abt.style.display = 'none';
        cont.style.display = 'flex';
        than.style.display = 'none';
    }

```

```
}

function thank() {
    var hme = document.querySelector('.tot')
    var od = document.querySelector('.orde')
    var abt = document.querySelector('.abo')
    var cont = document.querySelector('.con')
    var than = document.querySelector('.tha')
    hme.style.display = 'none';
    od.style.display = 'none';
    abt.style.display = 'none';
    cont.style.display = 'none';
    than.style.display = 'flex';
}
</script>
```

## 4 . IMPLEMENTATION PROCESS

The implementation process involves bringing the design and functionalities to life. In the context of the RMusic website, the implementation process includes creating the structure, styling, and interactivity using HTML, CSS, and JavaScript. Let's break down the implementation process:

### 1. HTML Structure:

- The HTML structure is defined using tags to create different sections of the website, such as Home, Store, About Us, and Contact Us.
- Elements like `<div>`, `<h1>`, `<h2>`, `<h3>`, `<p>`, `<button>`, and `<img>` are used to structure and present content.

### 2. CSS Styling:

- CSS is employed to style the visual presentation of the website, providing layout, color, and positioning.
- Selectors like `.menubar`, `.log`, `.tit`, `.tot`, `.ord`, `.hea`, `.buto`, `.det`, `.orde`, `.abo`, `.con`, `.menu`, `.items`, and `.box` are used to apply styles.
- Properties such as `background-color`, `border-radius`, `opacity`, `box-shadow`, `padding`, and `margin` are used for styling.

### 3. JavaScript Interactivity:

- JavaScript is used to enhance user interactivity by defining functions that control the visibility of different sections.
- Functions like `ord()`, `hom()`, `about()`, and `conta()` handle the display and hiding of specific sections based on user actions.
- These functions manipulate the CSS `display` property to show or hide sections dynamically.

### 4. Responsive Design:

- The website is designed to be responsive, ensuring a seamless experience across various devices.
- Media queries or responsive design techniques are used in CSS to adapt the layout based on the screen size.

### 5. Image Integration:

- Images of musical instruments are incorporated using `<img>` tags, contributing to the visual appeal of the website.
- Images are styled using CSS for proper presentation, and they add context to the content.

## **6. Linking and Navigation:**

- Links (<a> tags) are used for navigation, allowing users to switch between different sections of the website.
- Navigation links are styled to be visually prominent, and they trigger JavaScript functions for smooth transitions.

## **7. Testing:**

- The implementation undergoes testing to ensure that all functionalities work as expected.
- Cross-browser and cross-device testing is performed to ensure a consistent experience.

## **8. Deployment:**

- Once the implementation is complete and tested thoroughly, the website can be deployed to a web server for public access.

## **9. Code Summary:**

- The HTML, CSS, and JavaScript work together to create an interactive and visually appealing musical instruments website – RMusic.

This implementation process focuses on combining the frontend technologies to deliver a user-friendly and aesthetically pleasing web experience.

## **4.1 MODULES USED**

In the implementation of the RMusic website, several modules, or components, are used to organize and structure the code. Here are the main modules used in the code:

### **1. HTML Structure:**

- HTML is the backbone of the website, providing the structure and content. Different sections such as Home, Store, About Us, and Contact Us are structured using HTML elements like `<div>`, `<h1>`, `<h2>`, `<p>`, `<button>`, and `<img>`.

### **2. CSS Styling:**

- CSS is employed for styling, ensuring a visually appealing and consistent design. Various modules include styling for the menu bar, different sections, buttons, and boxes. Selectors like `.menubar`, `.log`, `.tit`, `.tot`, `.ord`, `.hea`, `.buto`, `.det`, `.orde`, `.abo`, `.con`, `.menu`, `.items`, and `.box` are used.

### **3. JavaScript Interactivity:**

- JavaScript adds interactivity to the website. Functions such as `ord()`, `hom()`, `about()`, and `conta()` act as modules, controlling the visibility of different sections based on user interactions. JavaScript serves as a module for dynamic behavior.

### **4. Responsive Design:**

- Responsive design is a crucial module for ensuring the website adapts to different screen sizes. CSS employs media queries or responsive design techniques to create a seamless experience across devices.

### **5. Image Integration:**

- The image integration module involves incorporating images of musical instruments using the `<img>` tag. Images are styled using CSS and are an essential component for visual appeal and context.

### **6. Linking and Navigation:**

- Navigation is facilitated by links (`<a>` tags). These links act as a module for users to switch between different sections of the website. JavaScript functions are linked to these navigation actions for smooth transitions.

### **7. Testing Module:**

- Testing serves as a module to ensure the proper functionality of the implemented features. Cross-browser and cross-device testing is performed to validate a consistent user experience.

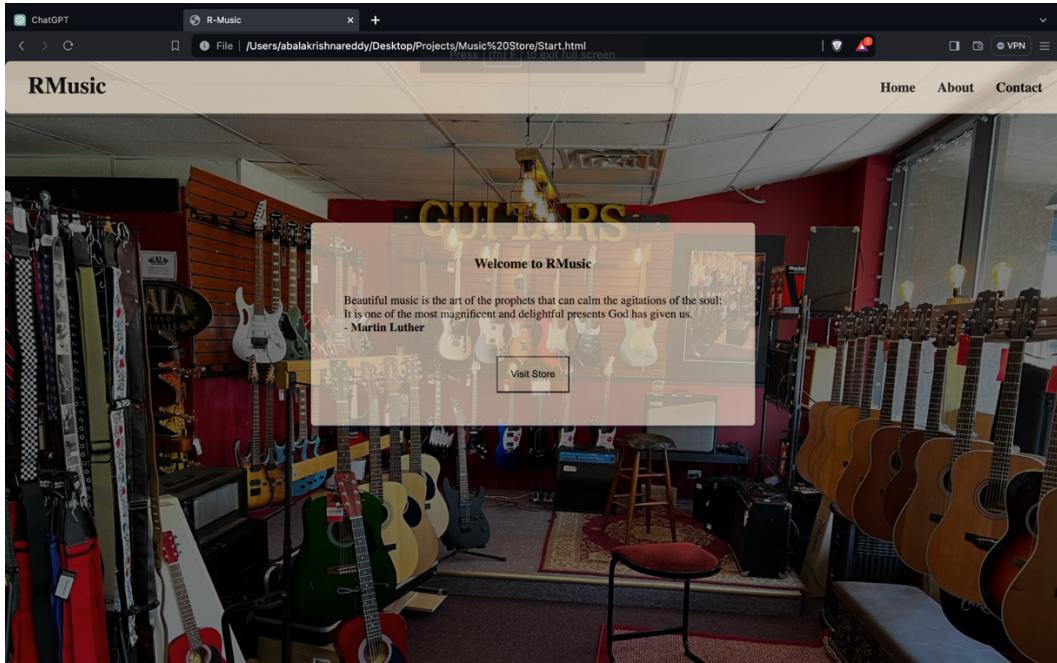
### **8. Deployment:**

- The deployment module involves making the website live and accessible on a web server for public use.

### **9. Overall Design Module:**

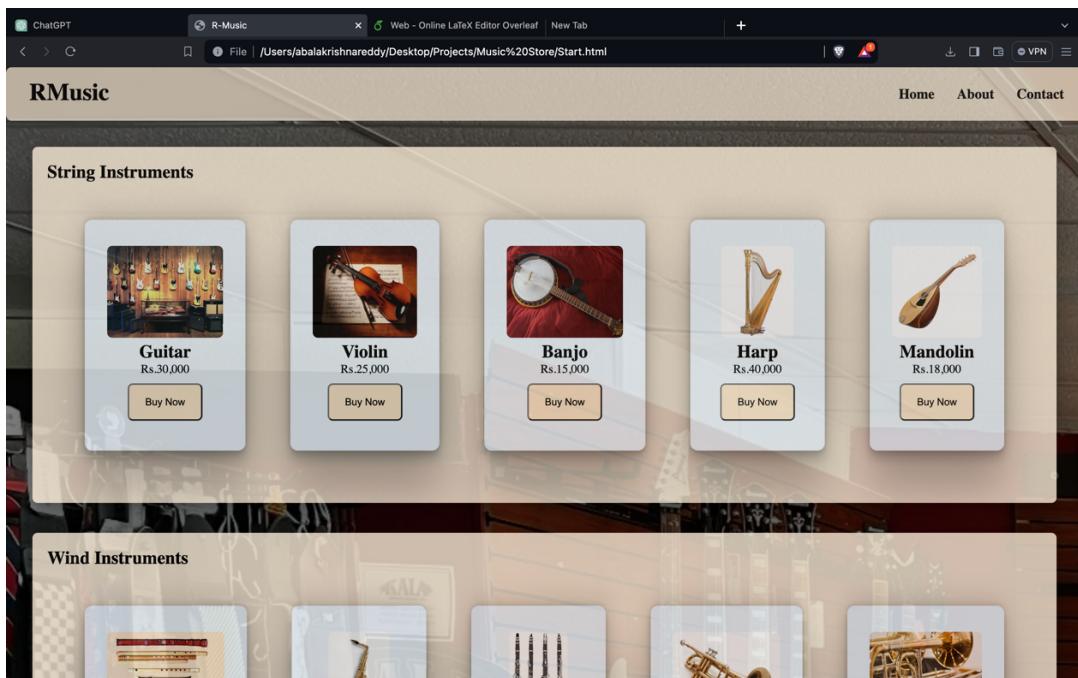
- The overall design module encapsulates the combination of HTML, CSS, and JavaScript to create a cohesive and aesthetically pleasing design.

## 5 . RESULTS



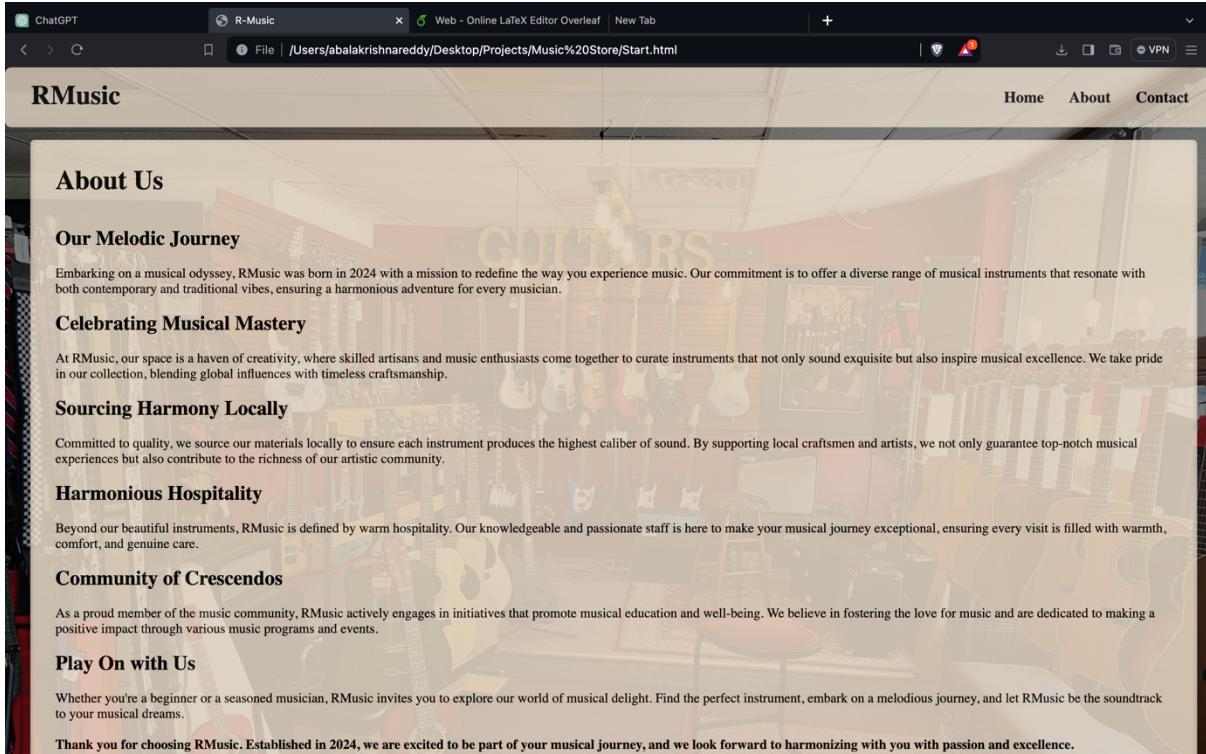
**Fig 2.1- Music Store Home Page**

On the background picture, the music store is shown and a quote about music attracting the user to make it for music.



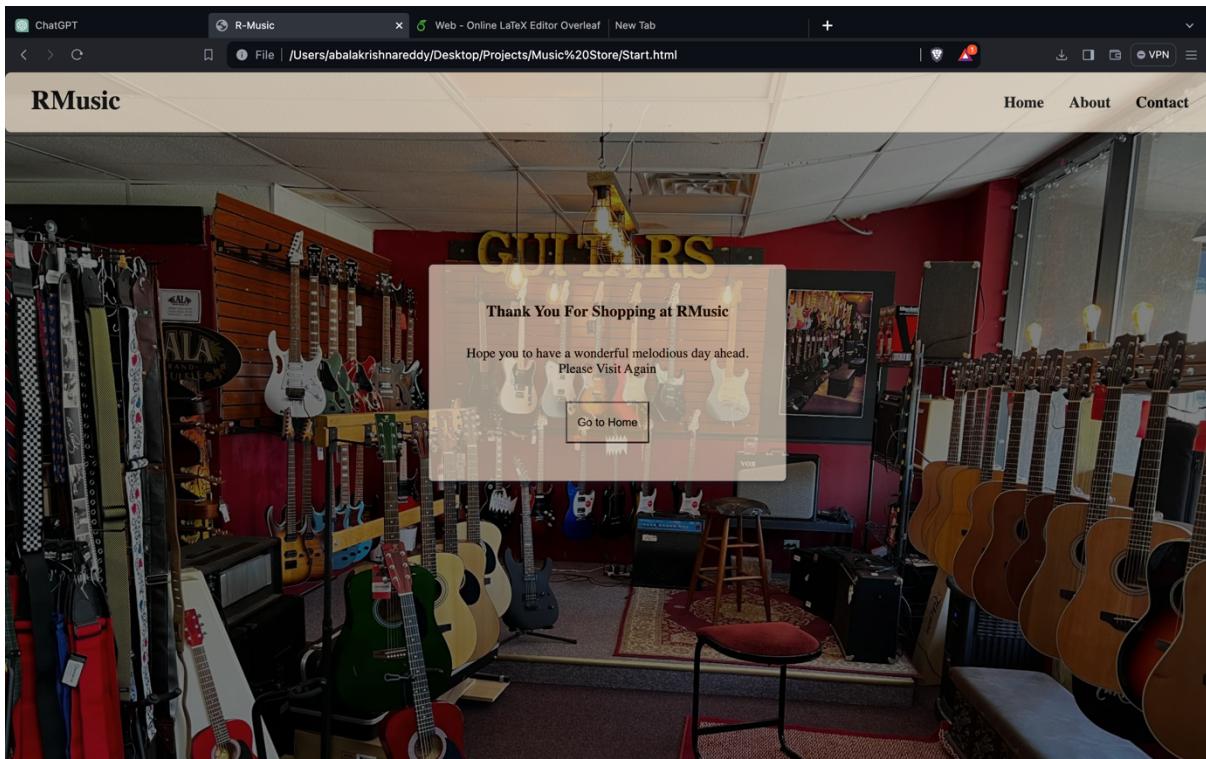
**Fig 2.2- On Clicking Visit Store**

As shown in the above figure the list of musical instruments in the shop would be displayed to the user.



**Fig 2.3- About Us**

As shown in the above figure it describes about the Music Store in detailed.



**Fig 2.4-Thank You Page**

A thanking message to the customer after he completes his shopping will be displaced ad a choice to go back to home will be available.

## 6 . CONCLUSION

In conclusion, the development of the RMusic website has been a meticulous and thoughtful process aimed at creating a captivating and user-centric platform for music enthusiasts. Through the amalgamation of HTML, CSS, and JavaScript, we have succeeded in crafting a dynamic and visually appealing website that seamlessly guides users through various sections such as Home, Store, About Us, and Contact Us.

The website's design prioritizes user interaction, with JavaScript functions like `ord()`, `hom()`, `about()`, and `conta()` enhancing the overall engagement. This interactive nature, coupled with the visually pleasing elements achieved through CSS styling, contributes to a harmonious and enjoyable browsing experience.

Our commitment to responsive design ensures that the website adapts seamlessly to diverse devices and screen sizes, promoting accessibility for a wide audience. The modular development approach, incorporating HTML structure, CSS styling, JavaScript functions, and responsive design techniques, establishes a solid and maintainable foundation for future updates.

Beyond the technical aspects, the website effectively communicates the essence of RMusic through compelling content in the About Us and Contact Us sections. Quotes from influential figures add a personal touch, reinforcing the emotional connection with the audience.

The deployment and testing phases have been crucial, ensuring the website's accessibility globally and verifying its functionality across various browsers and devices. Looking ahead, ongoing monitoring, user feedback mechanisms, and potential feature expansions will be key considerations for the continuous improvement and success of RMusic. In essence, the RMusic website stands as a harmonious blend of technology, design, and user experience, inviting users to embark on a melodic journey and positioning RMusic as a premier destination for musical exploration.

## **7 . REFERENCES**

### **W3Schools Tutorials:**

- W3Schools HTML, JavaScript, CSS

### **Tools:**

- Microsoft Word

### **Web Browsers:**

- Google Chrome
- Brave

### **Educational Resources:**

- Flexbox Froggy
- Coursera
- GeeksforGeeks