



A.J Institute of Engineering & Technology  
(A unit of Laxmi Memorial Education Trust)  
Kottara Chowki, Mangaluru

Department of Computer Science and Engineering

## MINI Project Presentation

# “HEAREASE”

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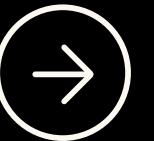
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Guide:

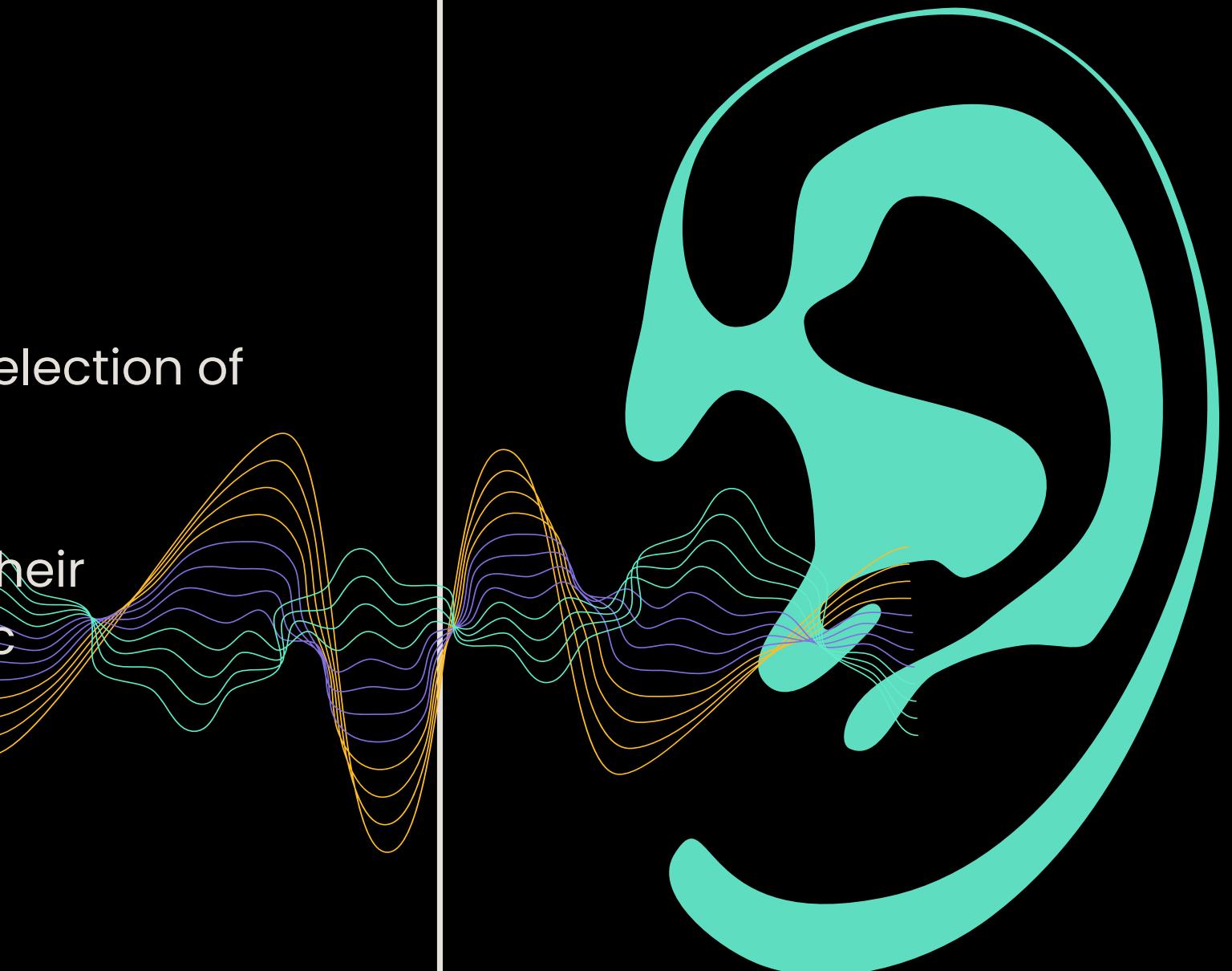
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# INTRODUCTION

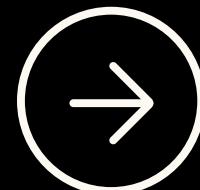
**"Hearease"** a music therapy website that offers a curated selection of calming music and soundscapes.

It is specifically designed to help tinnitus patients manage their symptoms. It has an easy to use interface with various music categories.





# PROBLEM STATEMENT



## Tinnitus:What is it?

- Tinnitus is a condition where a person is in an perception of ringing,buzzing or the humming sound in absence of the external stimuli.

## The effect of tinnitus

- Hearing loss due to tinnitus is affecting about 68% of the individuals.
- The constant ringing can cause significant stress and anxiety

## How does the tinnitus occur?

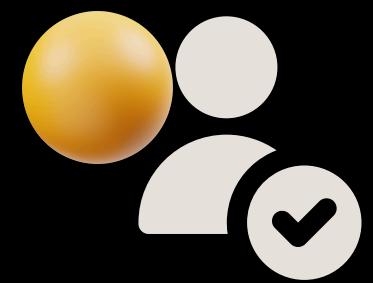
- It can be symptom of an underlying condition such as age-related hearing loss,ear injury,or a longer exposure to higher frequency sounds on a daily basis.

# OBJECTIVE



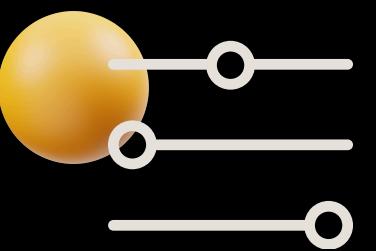
## provide curated playlists

specifically designed playlists for different times of the day and activities and customize the music according to their need.



## user-friendly-interface

Simple and intuitive navigation for ease of use so that the patients do not find it difficult to access the music they need at particular time.



## customization

options to create personal playlists and also they can adjust the sound levels.

# METHODOLOGY

## PLAN

Establish clear goals for the project such as the target audience, desired outcomes and specific features of the website.

## DESIGN PHASE

Create wireframes and mockups for website and collect the music and then plan the content structure.

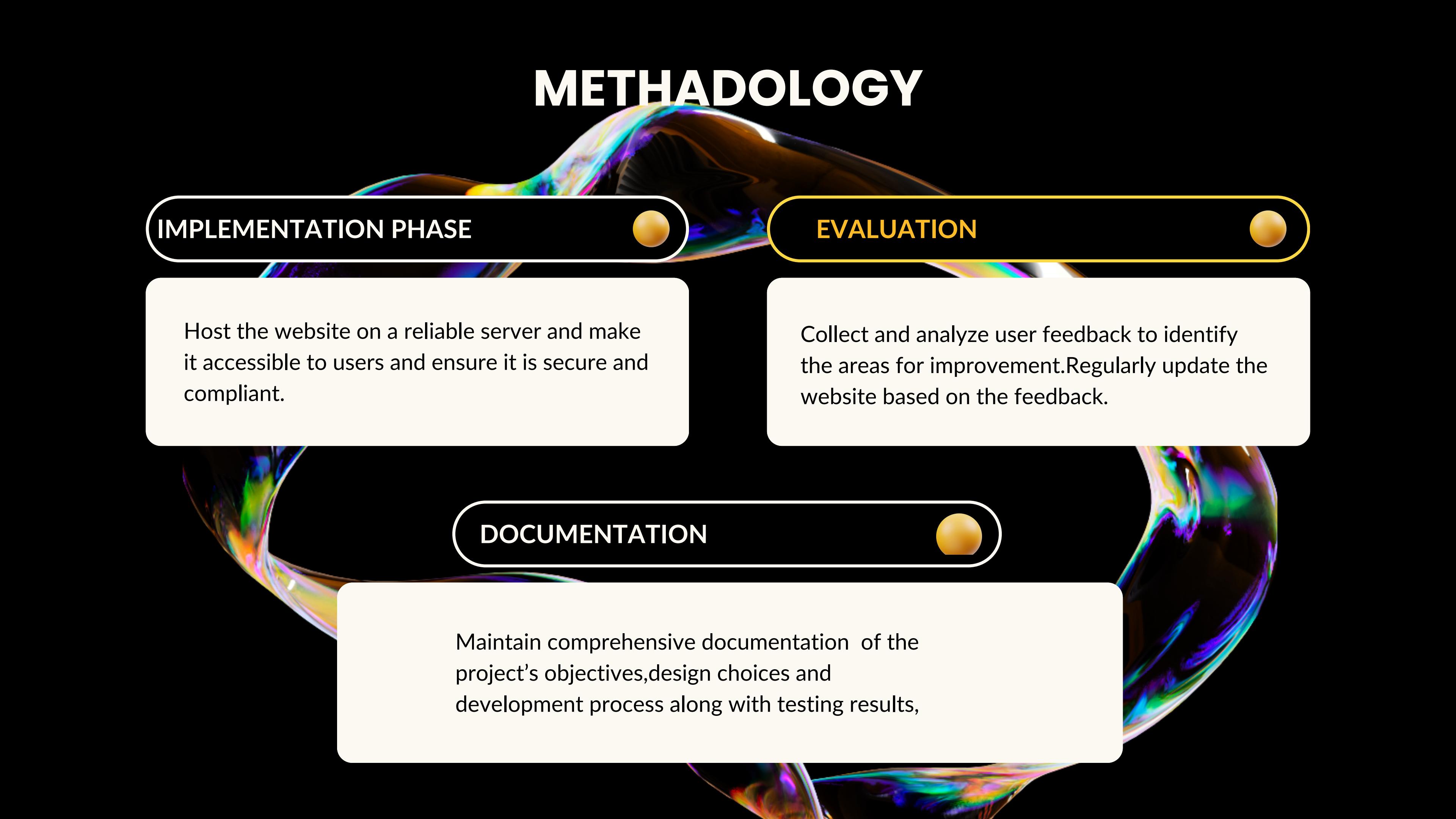
## DEVELOPMENT PHASE

Develop the front-end and back-end and also the integration of the music

## TESTING PHASE

Test the components of the website to ensure they work as intended.

# METHODOLOGY



## IMPLEMENTATION PHASE

Host the website on a reliable server and make it accessible to users and ensure it is secure and compliant.

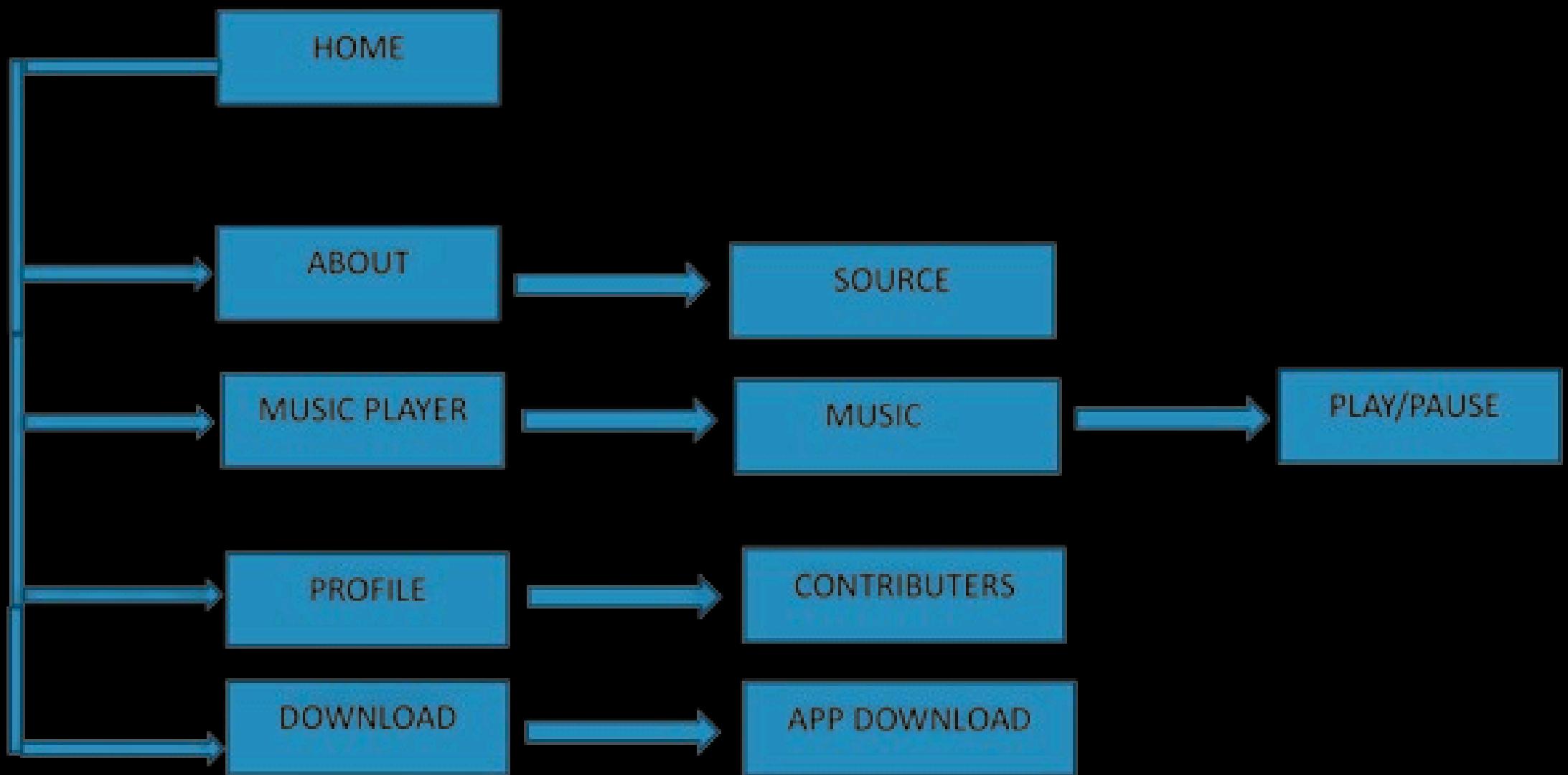
## EVALUATION

Collect and analyze user feedback to identify the areas for improvement. Regularly update the website based on the feedback.

## DOCUMENTATION

Maintain comprehensive documentation of the project's objectives, design choices and development process along with testing results,

# FLOW OF THE PROJECT



# SOFTWARE USED

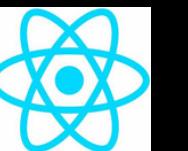
nextjs--->Framework



HTML,CSS, TAILWINDCSS



REACT LIBRARY



JAVA & AndroidStudio(basics)



# KEY ADVANTAGES



Provides an easily accessible, non-invasive treatment options for tinnitus patients.

Helps the patients to manage their symptoms in their own time and space

Encourages a holistic approach to tinnitus management through relaxation and stress reduction

Specially designed playlists for different times of the day and activities.

# CHALLENGES

Responsive and accessible design

Health-care and psychological challenges

Curated music playlist

Content management



- [!\[\]\(f9c8920940b4337cbbeec527f8ac9321\_img.jpg\) Home](#)
- [!\[\]\(845e9749bae62df6369d34b1189931bf\_img.jpg\) About Tinnitus](#)
- [!\[\]\(938d0015fba187a43362a21bd1933ad2\_img.jpg\) Hearplay](#)
- [!\[\]\(05617ec18e9328b0f1a36e60ffcf2bcf\_img.jpg\) Hearelax](#)
- [!\[\]\(e26d5d357d1bae1ed2c584ddce77119b\_img.jpg\) Contributors](#)

# Welcome to HearEase

*"Rediscover the sound of silence with our tailored sound therapy, designed to bring peace to your tinnitus."*

[About Tinnitus](#)[Hearplay](#)[Hearelax](#)[Download App](#)[View Contributors](#)

- [Home](#)
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## Hearease Player

[Play All](#)




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*"Meditation is the key to tranquility and inner peace."*

Select meditation track

bird

Select time interval

1 minutes

0:00

Start

Stop

Meditation is a practice of cultivating alertness and awareness in relation to each part of the body. By focusing on and paying attention to every area of the body, you can develop a deeper connection with yourself. This process involves purposeful, deep breathing, which helps calm the mind and reduce stress. Regular meditation encourages mindfulness, allowing you to be fully present in the moment and promotes overall well-being.

Meditation methods include:

- Mindfulness: Focus on the breath and present moment.
  - Loving-Kindness: Repeat phrases of compassion.
  - Body Scan: Focus on different body parts.
  - Zen: Seated focus on breath or posture.
- Guided: Follow instructions from a guide or recording.



[Home](#)[About Tinnitus](#)[Hearplay](#)[Contributors](#)

## About Tinnitus

Tinnitus is the perception of noise or ringing in the ears. It is a common problem, affecting about 15 to 20 percent of people. Tinnitus isn't a condition itself — it's a symptom of an underlying condition, such as age-related hearing loss, ear injury, or a circulatory system disorder. Tinnitus can be perceived in one or both ears or in the head. The sound may be soft or loud, low pitched or high pitched and can vary over time. Tinnitus can be incredibly disruptive to daily life, causing stress, sleep disturbances, and concentration problems. For many people with tinnitus, music literally plays a pivotal role in offering an easy escape from the annoyance of listening to tinnitus. In the last few years, listening options have expanded and prices have equalized among most large streaming services that grant access to a vast selection of songs and sounds for approximately \$10 per month. Which streaming service is best depends on the music and benefits that appeal to you. Fortunately, most services offer a free option or free trial period, which allows you to explore the services and quality of sound before subscribing.



Source: [Sound Therapy](#)





## FUTURE ENHANCEMENTS

update

Developing an app

Creating more personalized service

Integrating with a hearing aid

# THANK YOU

for your time and attention

