



**AMA COMPUTER
COLLEGE**

Bachelor of Science in Computer
Science
Lucena City Branch

***WEB-BASED MUSIC GENRE
CLASSIFICATION
USING K NEAREST NEIGHBOUR
SYSTEM MANUAL***

RESERVED 2023

FRONT PAGE

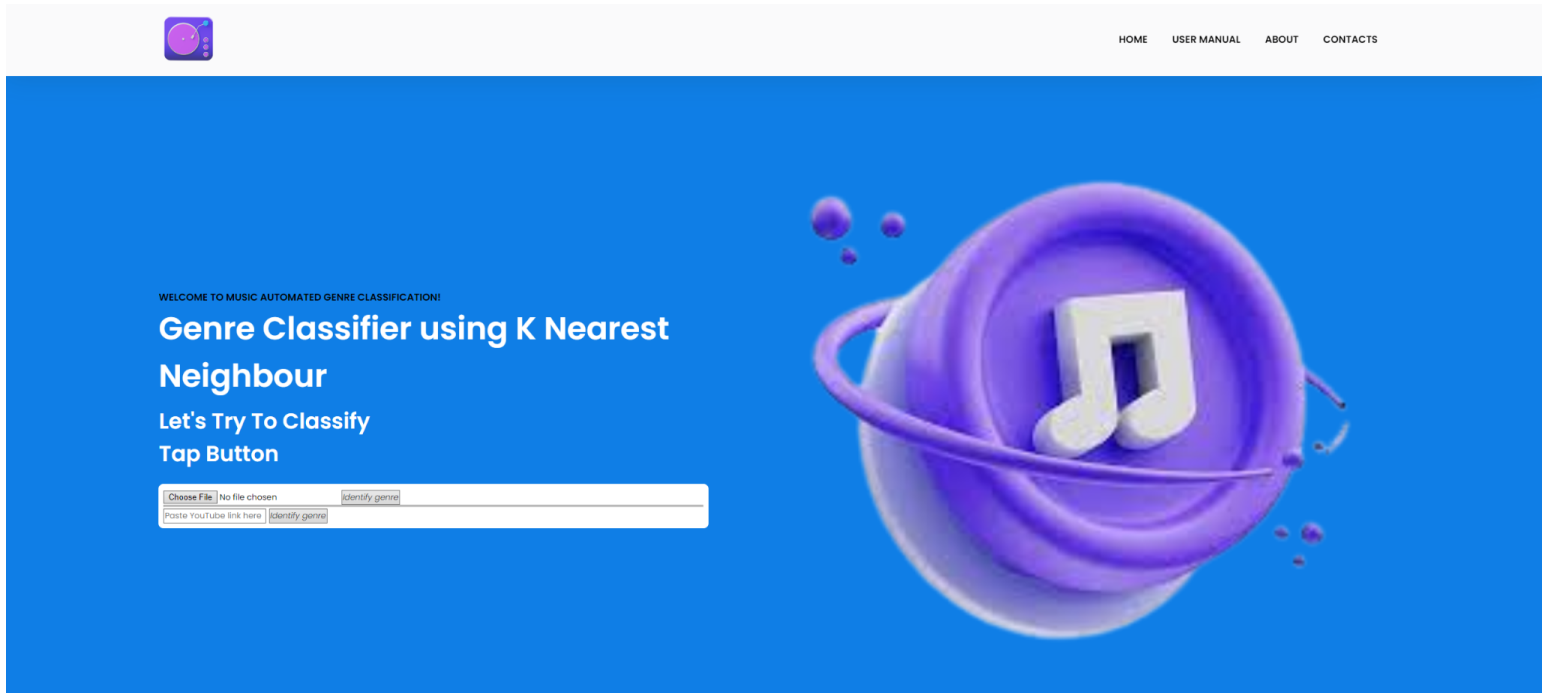


Figure 1: Illustration of the surface of the web.

Instruction:

Step 1. Select between uploading a music file or pasting a youtube link to select the music you want to let our system identify its genre.

Step 2. Click `Identify the genre` to generate and process to see what genre the music you select.

Step 3. Wait until the system processes and classifies your input data.

Step 4. Last, a return result will be seen below with a feedback to tell our system whether the returned result is correct or not.



HISTORY

A BRIEF HISTORY

A MUSIC GENRE IS A CONVENTIONAL CATEGORY THAT IDENTIFIES SOME PIECES OF MUSIC AS BELONGING TO A SHARED TRADITION OR SET OF CONVENTIONS. IT IS TO BE DISTINGUISHED FROM MUSICAL FORM AND MUSICAL STYLE, ALTHOUGH IN PRACTICE THESE TERMS ARE SOMETIMES USED INTERCHANGEABLY. MUSIC CAN BE DIVIDED INTO GENRES IN VARYING WAYS, SUCH AS POPULAR MUSIC AND ART MUSIC, OR RELIGIOUS MUSIC AND SECULAR MUSIC. THE ARTISTIC NATURE OF MUSIC MEANS THAT THESE CLASSIFICATIONS ARE OFTEN SUBJECTIVE AND CONTROVERSIAL, AND SOME GENRES MAY OVERLAP.

**Classical**

INFORMATION

PLAYLIST

**Pop**

INFORMATION

PLAYLIST

**Hip-hop**

INFORMATION

PLAYLIST

**Jazz**

INFORMATION

PLAYLIST

**Country**

INFORMATION

PLAYLIST

Figure 2: A brief history.

If you scroll down the webpage, you can see the history and brief history and background of music genre classification. In this part of the webpage, the developer sets an information and playlist that you can redirect to another page.

Function 1: The information button when you click the information button the webpage will redirect on the information about the genre what you would like to know.

Function 2: The playlist button when you click that button it would redirect to the non-stop playlist music genre that you select. Enjoy listening.

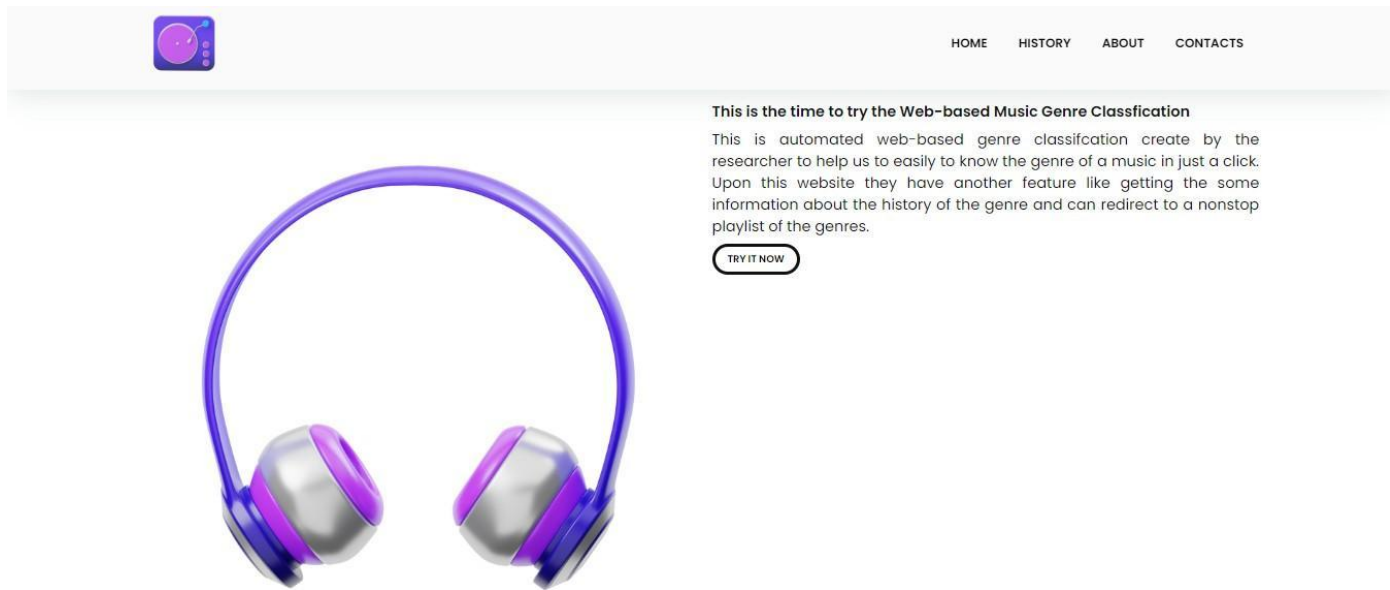


Figure 3: Final Figure of the web.

The finally part of the webpage the finally part of the webpage contains some information why the developer produce this web-based system.

Function button:

When you click the button, you can redirect to the homepage that you can use to generate classification of the music genre.

***Enjoy using Web-based Music Genre Classification using K Nearest Neighbor
Automated Genre Classification.***