Online Lyrics Library: CS251 Project Report

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1 Abstract

The basic idea of making a lyrics library with efficient search options regional language support has been implemented successfully. We have implemented a robust feedback system and user uploading feature too.

2 Introduction

Music has been Integral part of Human culture for long time.Songs are used to express our emotions and feelings . They are also used to convey messages but if we don't understand the lyrics correctly and we might get the wrong message. To sort out that problem we need a place where we can find correct lyrics of the songs but there are already many web application out there so what's new? Most of lyrics web application are designed for English songs. But as our country is moving towards digitalization, we have decided, why not we get our lyrics, search, interface in Hindi itself. So we have brought our idea to life through this project. So we think that this unique concept will be able to help many others like us.

3 Software and Hardware Used

3.1 Programming Languages:

- **PHP** is a quite efficient server-side scripting langauage which is primarily designed for web development but also used for general programming purposes.PHP code may be embedded into HTML or HTML5 markup, or it can be used in combination with various web template systems, web content management systems and web frameworks.
  We choose PHP because:
  PHP is an amazing popular language!

  - It is powerful enough to be at the core of the biggest blogging system on the web (WordPress)!
  - It is deep enough to run the largest social network (Facebook)!
  - It is also easy enough to be a beginner's first server side language!

- **MySQL** is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. It is quite efficient for data base systems management.

- **HTML** stands for Hypertext Markup Language which is the standard markup language for creating web pages and web applications.

- **CSS** stands for Cascading Style Sheets which is used to stylize web pages.

- **Bootstrap** is a free and open-source front-end web framework for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components.

- **Javascript** is a high-level, dynamic, weakly typed, object-based, multi-paradigm, and interpreted programming language. It is commonly used to make web pages interactive.

3.2 Softwares:

- **phpmyadmin** is a tool developed in PHP and is intended for handling the administration of MySQL over the Web. Currently phpMyAdmin can create and drop databases, create,drop, or alter tables

- **Apache** is free and open-source cross-platform web server software

4 Implementation

- We have prepared a simple SQL database which will store the login information of the user. there are two atrributes for logging in, username and password. There is also a registration page for new users, which will take the Email, username, password from the user and store in the data base.

- A simple and clean database is prepared for stroring song lyrics with all necessary attributes. Database supports English fonts as well as Devnagri fonts for Hindi lyrics.

- An efficient search box is implemented, which will show all results related to the word, phrase entered. We can search by song name, song phrase, singer etc.

- A youtube video of the song is embedded above the lyrics incase any user needs the video of the song.

- Facebook comment plugin is implemented which will show and take comments for each song separately and individually making the feedback system easy and efficient.

- We have implemented an Upload system where any user can upload his/her own song lyrics. The entered data will be received by the admin as an organized email, which he/she may or may nor post on the website depending upon the quality of the content.

5 Feasibility

The project which we have made is highly feasible as we have used efficient server hosting softwares available online for free such as Apache software and the idea is quite simple: Create a song lyrics website of a specific regional language and also a facility for guest users to add lyrics to new songs through the website. With regional language support we believe that our project may prove helpful in developing regional language interfaces in the future.

6 Deliverables promised And Delivered

- Login and Register feature is implemented as promised.

- Search box with related search results implemented successfully as promised.

- Song search and browse with attributes such as singer name, genre is implemented as promised.

- Youtube video of every song is emebedded above the lyrics as promised.

- Regional language support using google translate API implemented successfully as promised.

- Feedback system using facebook plugin and User upload feature is implemented as promised.

7 Guidance and Support

1. Regards to **Prof. Kavi Arya**, *Professor, Department of Computer Science IIT Bombay* for guiding this project.

2. Special thanks to **Mr. Diptesh Kanojia**, *Research Scholar, IITB-Monash University* for his support and guidance.

8 Bibliography

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