LyricLink

Song Recommendation System: User Guide

Prashant Singh | Technical Project | 11/04/2024

Contents

Introduction

Welcome to the User Manual for the Song Recommender application! This guide is designed to help users navigate through the features and functionalities of the Song Recommender with ease. Whether you're a music enthusiast looking for personalized song recommendations or a developer interested in integrating the recommendation model into your projects, this manual has got you covered.

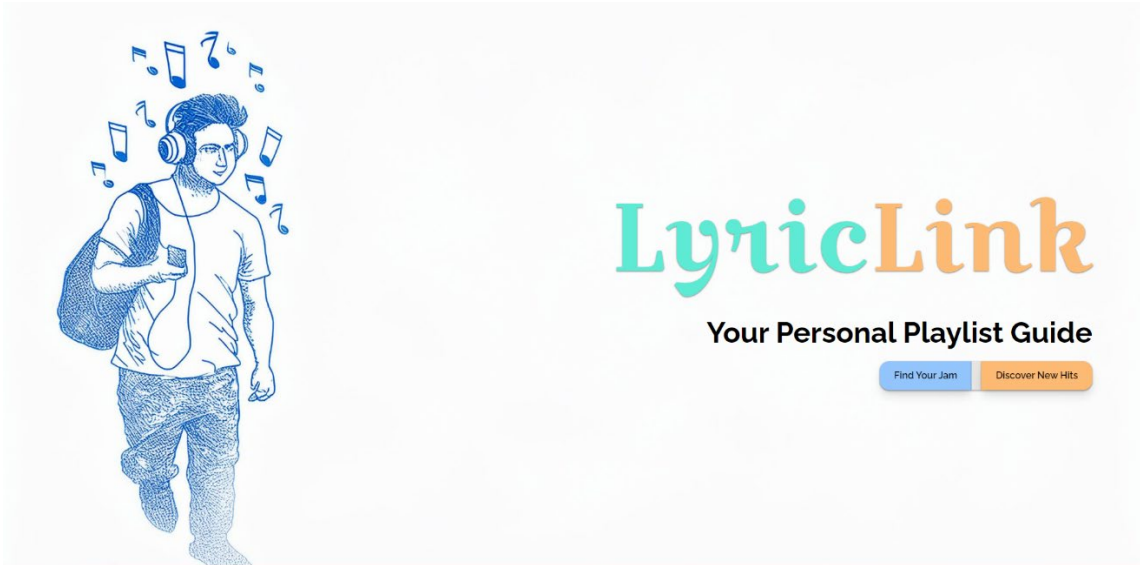In this document, you will find detailed instructions on how to:

- Use the search functionality to find songs and receive recommendations.

- Browse through random songs to discover new music.

With step-by-step guides, screenshots, and helpful tips, you'll be able to make the most out of the Song Recommender and enhance your music discovery experience. Whether you're a beginner or an advanced user, this manual provides valuable insights to ensure a smooth and enjoyable experience.
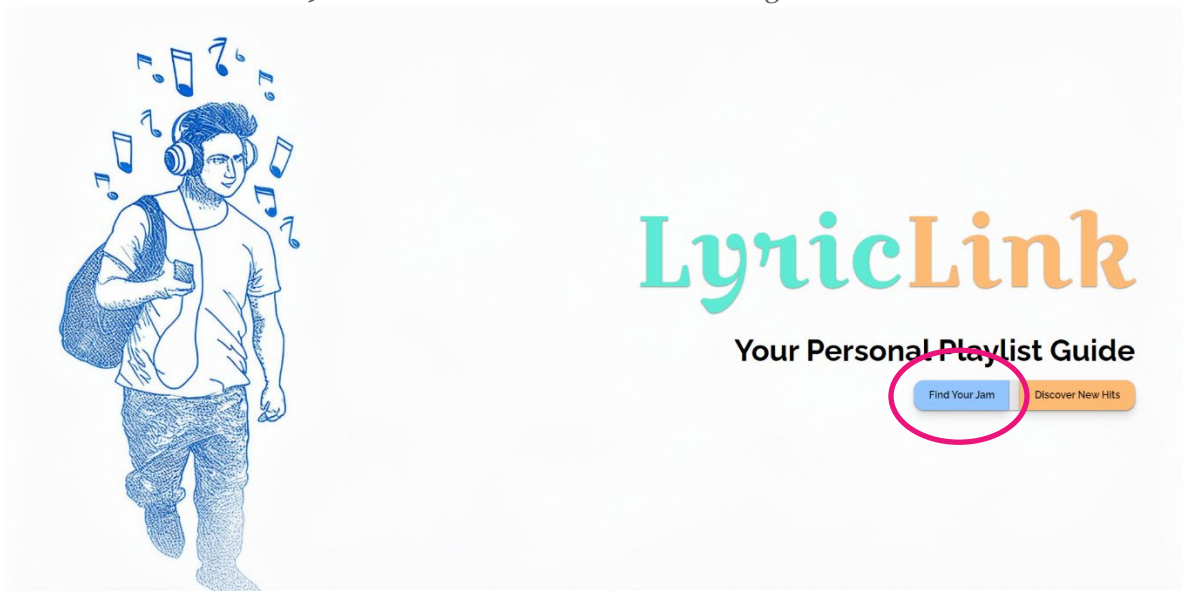
For Project guide and Installation guide, refer to ReadMe.pdf and InstallMe.pdf respectively.
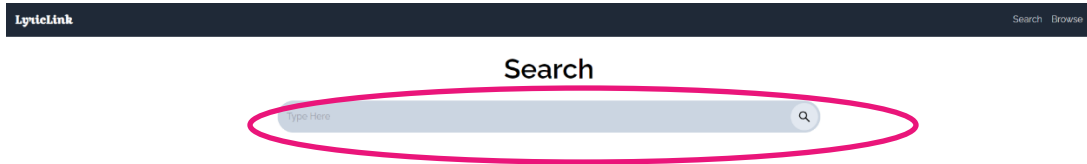
Search and Find

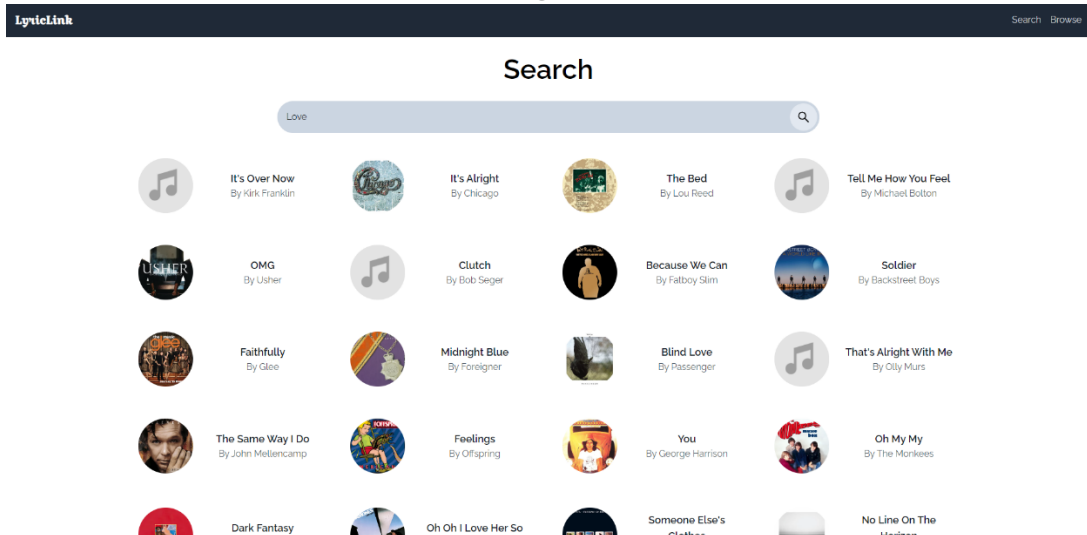1. Navigate to the home page via https://localhost:3000/

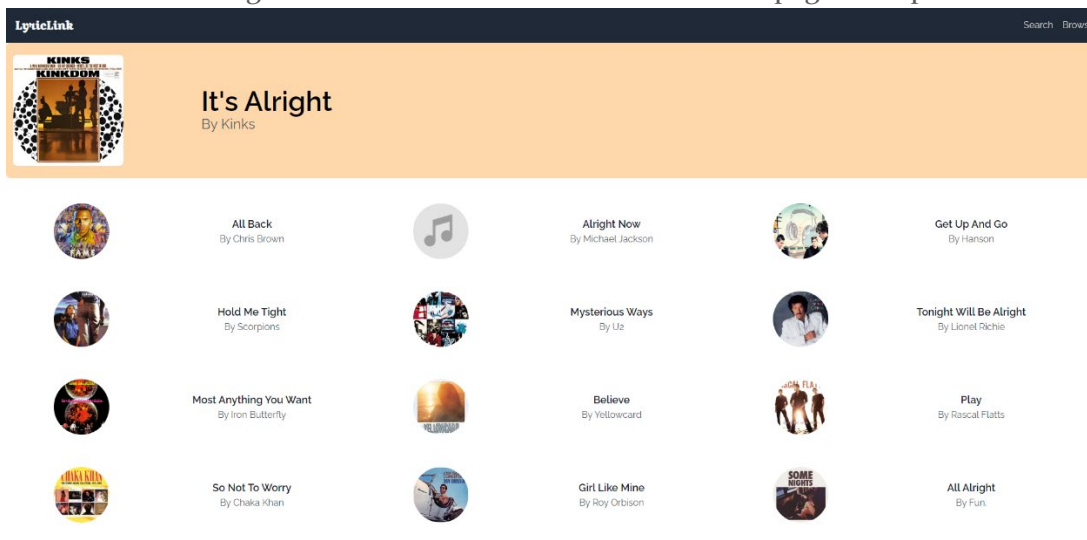2. Click on the '*Find Your Jam*' button to access the Search Page.

3. You will now see a new page with search bar.

4. In the search bar, enter the keywords/song name you want to search. For example: 'Love'
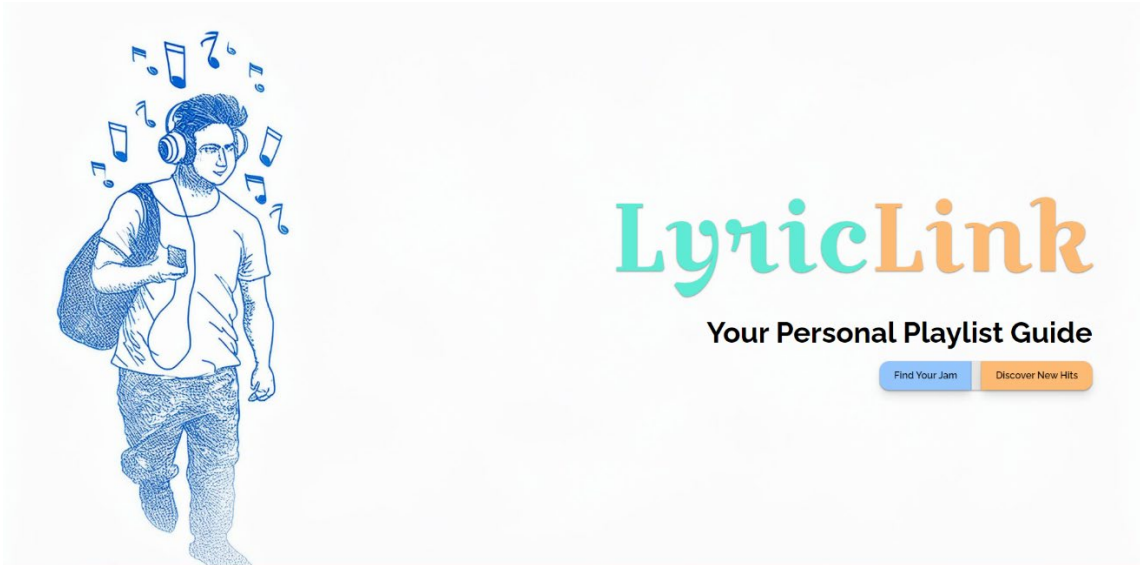

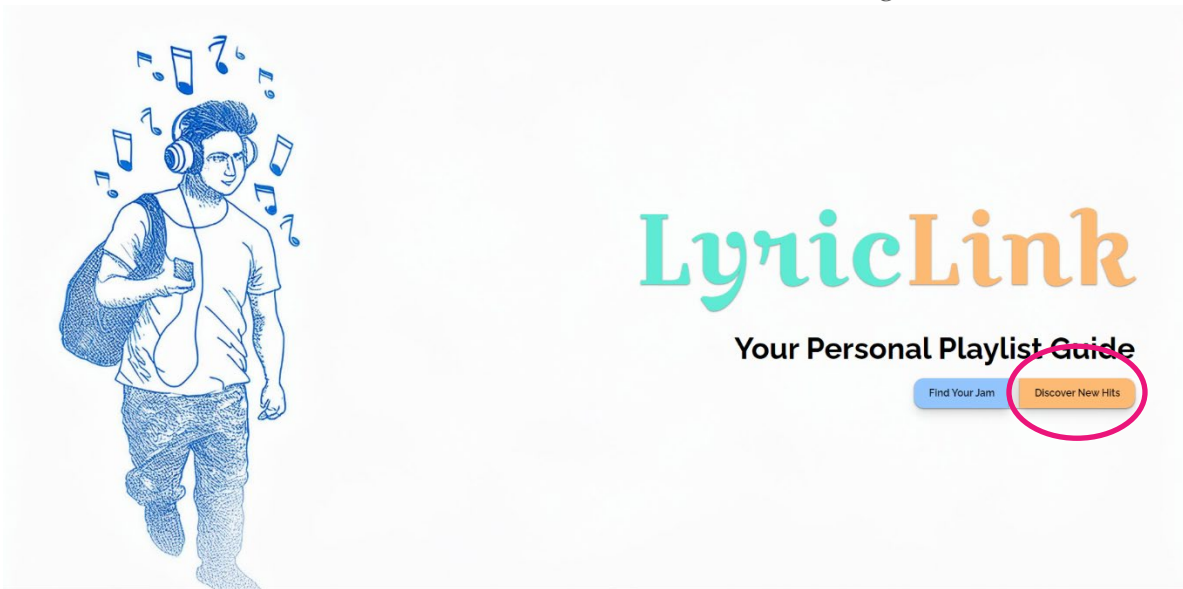5. Now select the song to view recommendations of and a new page will open with its recommendation.

Browse and Discover

1. Navigate to the home page via https://localhost:3000/

2. Click on the '*Discover New Buttons*' button to access the Browse Page.

3. Now you will see a Browse Page with a selection of various songs.

For Lovin' Me By Elvis Presley	**Juliet** By Bee Gees	**Beat It Upright** By Korn	**Buffet Hotel** By Jimmy Buffett
Honey, Don't By The Beatles	**Earth Anthem** By Dan Fogelberg	**Take Your Pain Away** By Eurythmics	**Waiting For Girl Like You** By Foreigner
Candyman By Vertical Horizon	**Come Tomorrow** By Townes Van Zandt	**He's Only Everything** By Reba Mcentire	**All Is Well** By Point Of Grace
Crash And Burn By Yngwie Malmsteen	**Fabulous** By Phineas And Ferb	**Ordinary Girl** By Pitbull	**You Need A Saviour** By Michael W. Smith
Midnight By Coldplay	**World Party** By Waterboys	**Love Me With A Feeling** By Bette Midler	**Fortune Teller** By Alison Krauss

4. Now select the song to view recommendations of and a new page will open with its recommendation.

It's Alright
By Kinks

All Back By Chris Brown	**Alright Now** By Michael Jackson	**Get Up And Go** By Hanson
Hold Me Tight By Scorpions	**Mysterious Ways** By U2	**Tonight Will Be Alright** By Lionel Richie
Most Anything You Want By Iron Butterfly	**Believe** By Yellowcard	**Play** By Rascal Flatts
So Not To Worry By Chaka Khan	**Girl Like Mine** By Roy Orbison	**All Alright** By Fun.

Credits

- This project was developed by Prashant Singh. I would like to thank the creators and maintainers of the following technologies and libraries used in this project:

  - FastAPI

  - React.js

  - scikit-learn

  - NLTK

  - Docker

- Special thanks to technical director and hiring staff at JTP Ltd. Co. for their valuable review and comments.

References

- For more information on the technologies and libraries used in this project, refer to the following documentation:

  - FastAPI Documentation

  - React.js Documentation

  - scikit-learn Documentation

  - NLTK Documentation

  - Docker Documentation

- To explore the dataset, follow the given link

  - Spotify Million Song Dataset