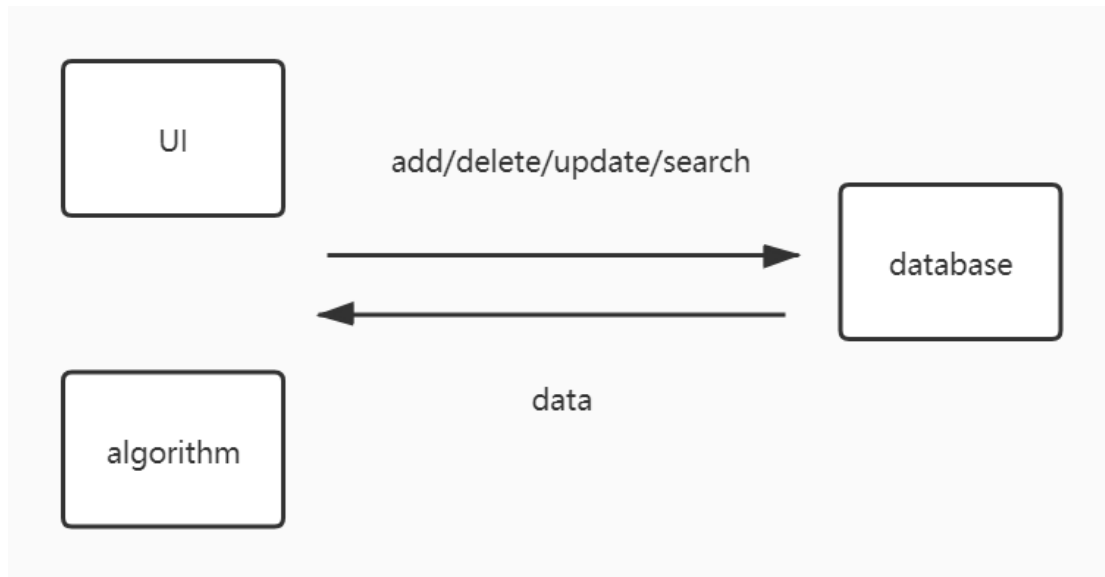


Database Design Document

1.Introduction

Database is an important part of a recommendation system. It needs to save the user information from the interface and a large number of song lists from the data crawling part. When the recommendation algorithm needs to recommend songs, the database needs to transfer the data to the algorithm. For other modules, they can add, update, delete and search for the data if necessary.



2.Database Design

2.1 The tables in the database

allsong	time	author	album	songlist	
songlist	listname	author	viewct		
user	userid	username			

Table Name: Schema: **recommend**

Charset/Collation: Engine:

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
UserID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UserName	CHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Table Name: Schema: **recommend**

Charset/Collation: Engine:

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
songname	CHAR(20)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
songid	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
author	CHAR(20)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
viewct	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
userid	CHAR(20)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



2.3 Database environment description

We use mysql 8.0 database, using mysql8.0 will command the crawler CSV files in the database how, spiders crawl the file location in C: / ProgramData/MySQL/MySQL Server 8.0 / Uploads / 4000.

> 此电脑 > 本地磁盘 (C:) > ProgramData > MySQL > MySQL Server 8.0 > Uploads				
名称	修改日期	类型	大小	
1000.csv	2020/9/18 星期...	XLS 工作表	75 KB	
4000.csv	2020/9/18 星期...	XLS 工作表	343 KB	
data_5950.csv	2020/9/18 星期...	XLS 工作表	234 KB	