Introduction of DB

The website will be based on MySQL database.

The database will be spread by 5 tables (Employee table,Department table,Topic table,Idea table,Comment table).

All databases are set to auto-increment as the primary key, so there is no need to actively add Id. Tables will use the primary key foreign key contact information to facilitate the designer.

1. Employee Table

The employee table will store various personal information of the employee. The employee's account, password, and email information are also stored in this table. Employee\_Identity is designed to distinguish between coordinators and employees. When the stored value is 2, the employee's position is the coordinator, and when the stored value is 1, it is the employee. 3 is manager.

Employee Id(int 11)

Employee Name(varchar 50)

Employee Grade(varchar 20)

Employee Details(longtext)

Employee Gender(varchar20)

Employee Age(int 11)

Employee Password(varchar 40)

Employee Email(varchar 40)

Employee\_Department(int 11)

Employee Identity(int 11)

2 Department Table

The department table will be used to store department information.

Department Id(int 11)

Department Name(varchar 40)

3 Topic Table

The topic table will store topics. The topic will use the coordinator's id as a foreign key to distinguish the topic publisher. This can also provide a basis for future classification of topics in various departments. Topic Deadline will be used to set the deadline. Stop collecting ideas.

Topic Id(int 11)

Topic Name(varchar 40)

Topic\_Employee(int 11)

Topic Deadline(datetime 6)

4 Idea Table

The idea table stores the ideas submitted by all users, and sets the three foreign keys of Idea\_Employee, Idea\_Department, and Idea\_Topic. The three foreign keys will be used to distinguish the posting users, their departments, and topics. It is used to display the ideas reasonably under the corresponding topics.

Idea Id(int 11)

Idea\_Employee(int 11)

Idea\_Department(int 11)

Idea\_Topic(int 11)

Idea Thumbs\_Up\_Numbers(int 20)

Idea Document(varchar 100)

Idea Datetime(datetime 6)

Idea Title(varchar 30)

Idea Thumbs\_Down\_Number(int 20)

5 Comment Table

The comment table will be used to store comments. Two foreign keys of Comment\_Employee and Comment\_Idea will be set. Used to distinguish between comments made by different users and comments on different ideas.

Comment Id(int 11)

Comment Details(varchar 255)

Comment\_Employee(int 11)

Comment\_Idea(int 11)

Comment time(datetime 6)