# 数据库表结构设计

## Users 表

CREATE TABLE users (

user\_id INT PRIMARY KEY AUTO\_INCREMENT,  
 username VARCHAR(50) NOT NULL UNIQUE,  
 password VARCHAR(100) NOT NULL,  
 role ENUM('admin', 'expert', 'teacher') NOT NULL,  
 name VARCHAR(50) NOT NULL,  
 contact\_info VARCHAR(100),  
 created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP  
);

## Competitions 表

CREATE TABLE competitions (

competition\_id INT PRIMARY KEY AUTO\_INCREMENT,  
 competition\_name VARCHAR(100) NOT NULL,  
 description TEXT,  
 competition\_date DATE,  
 created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP  
);

## Submissions 表

CREATE TABLE submissions (

submission\_id INT PRIMARY KEY AUTO\_INCREMENT,  
 submission\_name VARCHAR(100) NOT NULL,  
 category ENUM('思政课程组', '公共基础课程组', '专业技能课程一组', '专业技能课程二组') NOT NULL,  
 school VARCHAR(100) NOT NULL,  
 team TEXT NOT NULL,  
 material\_path VARCHAR(255) NOT NULL,  
 submission\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 user\_id INT,  
 FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE,  
 competition\_id INT,  
 FOREIGN KEY (competition\_id) REFERENCES competitions(competition\_id) ON DELETE CASCADE,  
 created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP  
);

## Reviews 表

CREATE TABLE reviews (

review\_id INT PRIMARY KEY AUTO\_INCREMENT,  
 submission\_id INT,  
 expert\_id INT,  
 score INT NOT NULL,  
 comment TEXT,  
 review\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 FOREIGN KEY (submission\_id) REFERENCES submissions(submission\_id) ON DELETE CASCADE,  
 FOREIGN KEY (expert\_id) REFERENCES users(user\_id) ON DELETE CASCADE,  
 created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP  
);

## Logs 表

CREATE TABLE logs (

log\_id INT PRIMARY KEY AUTO\_INCREMENT,  
 user\_id INT,  
 operation TEXT,  
 operation\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 FOREIGN KEY (user\_id) REFERENCES users(user\_id) ON DELETE CASCADE,  
 created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,  
 updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP  
);