CRUD Operations of
CU Campus Event Management System

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Contents

1 Introduction

Provide an overview of the project and its purpose. Mention the goals and the technologies used, such as React, Node.js, and MySQL.

2 Database Design

2.1 Schema Overview

Describe the main tables and their relationships, including 'Users', 'Events', 'Categories', 'Locations', and so on.

2.2 Entity-Relationship Diagram

Include or reference an ER diagram showing the database design.

3 CRUD Operations

3.1 Create

Explain how users can create records, such as registering new users or creating events. Provide SQL examples.

3.2 Read

Discuss how users or administrators can retrieve data, such as viewing a list of events or participant details. Include SQL query examples.

3.3 Update

Describe how updates are handled, like modifying event details or user information. Include examples of SQL update statements.

3.4 Delete

Explain how deletions are managed, for instance, removing canceled events or deregistering users. Provide SQL examples.

4 Frontend Integration

Explain how the CRUD operations are integrated into the React frontend.

4.1 Form Design

Describe the forms used for input, such as event creation or user registration.

4.2 API Endpoints

Mention the Node.js endpoints for handling CRUD operations.

5 Conclusion

Summarize the system's functionality and future improvement plans.