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Summative
Assessment 1:
Systems
Development 2A

Bellville

Overview

The Event Manager is a Java-based GUI application made to supervise the organization and management of events. It allows for functionality for planning events, registering attendees, managing venues along with coordinating vendors. The system is also integrated with a MySQL database for storage of data and retrieval.

Features And Specifications

Event Management - Create, update, delete, and view events.

Attendee Registration - Register attendees for events and manage their information.

Venue Management - Add, edit, and delete venues, along with their details.

Database Integration - Utilizes MySQL for storing event details, attendee information, and venue bookings.

User-Friendly Interface - Intuitive GUI for easy navigation and data entry.

Technologies Used

Java - Programming language to build the application.

Java Swing – To develop the GUI.

MySQL – To create the database and store data

JDBC - Java Database Connectivity to interact with the MySQL database.

Using the Application

Launching the Application:

Run the EventManager class to launch the application.

Adding Events:

Fill out the event information in the input fields and click Add Event button to save it to the database.

Viewing Events:

Click View Events button to display all events stored in the database in a dialog box.

Updating Events:

Enter the name of the event you wish to update and the new date and time, then click Update Event button.

Deleting Events:

Enter the name of the event you wish to delete and click Delete Event button.

Error Handling

The application does have error handling for database operations, showing pop ups in case of problems like duplicate entries or failure to connect.

Conclusion

The Event Management System is made to improve the process of sorting events, providing a strong solution for managing various parts to event planning. Its user-friendly interface and solid database integration allows it to serve as a tool for event coordinators.