



Project Name: Art Competition Entry Manager

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Batch Code: ANP-D1253

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# Objectives

- Build a Java-based application for managing art competition data.
- Use MySQL database to store and retrieve participant data.
- Apply OOP concepts, JDBC, and file handling.
- Implement features like add/view/search participants.
- Create a simple and effective system for data management.



# Problem Statement

- Manual entry is error-prone and time-consuming
  - Need a system to:
    - Store participant info
    - View/manage entries
  - Ensure structured, persistent data
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# Data Description

- Participant Info:
  - ID (auto-generated)
  - Name
  - Age
  - Art Type (Painting, Sketching, etc.)
  - Contact number
  - Address



# Data Model

- Table Name: participants
- Columns:
  - id (INT, PK, Auto\_Increment)
  - name (VARCHAR)
  - age (INT)
  - art\_type (VARCHAR)
  - contact (VARCHAR)
  - Address(VACHAR)





## Architecture (MVC)

- Model: Participant.java (Data structure)
- Controller: ParticipantManager.java (JDBC handling)
- View: Console Interface (Menu-driven)

# Database Operations

- JDBC used for:
- Insert
- Retrieve all
- Search
- Delete
- Configurable DB connection





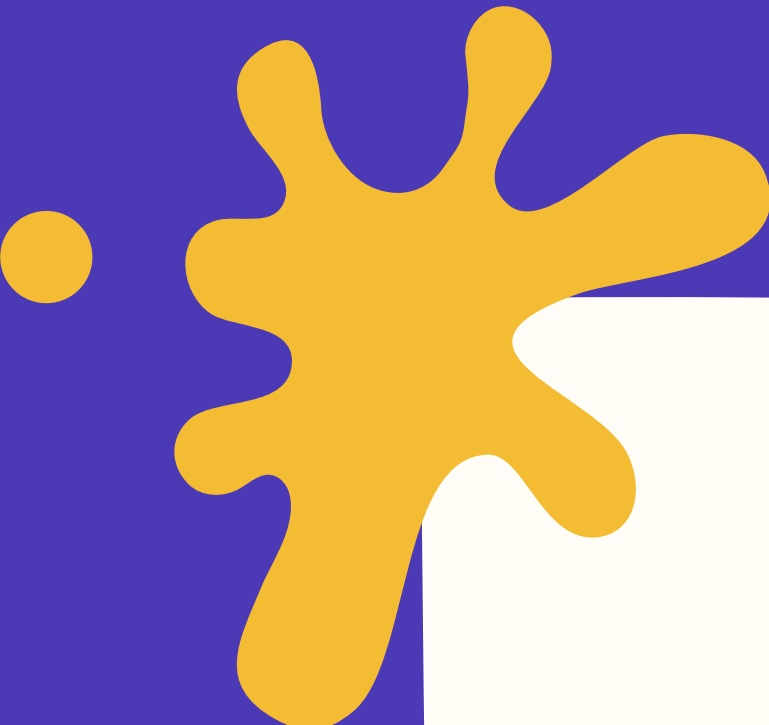


# PROJECT RESULTS


- User-friendly interface
- Accurate data storage
- Quick search/filtering
- Functional and efficient system







# Conclusion

- Demonstrates Java + MySQL integration
  - Real-time interaction with DB
  - Simple, scalable, console-based solution
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# Future Enhancements

- Java GUI (Swing/JavaFX)
- Admin login system
- Report generation (PDF, certificates)
- Score & result module



# THANK YOU!

[github.com/tanvinaik1909](https://github.com/tanvinaik1909)

