**COMPANY PROFILE**

**Company Name : EZ Trainings and Technologies Pvt. Ltd.**

**Introduction:**

EZ Trainings and Technologies Pvt. Ltd. is a dynamic and innovative organization dedicated to providing comprehensive training solutions and expert development services. Established with a vision to bridge the gap between academic learning and industry requirements, we specialize in college trainings for students, focusing on preparing them for successful placements. Additionally, we excel in undertaking development projects, leveraging cutting-edge technologies to bring ideas to life.

**Mission:**

Our mission is to empower the next generation of professionals by imparting relevant skills and knowledge through specialized training programs. We strive to be a catalyst in the career growth of students and contribute to the technological advancement of businesses through our development projects.

**Services:**

**College Trainings:**

1. Tailored training programs designed to enhance the employability of students.
2. Industry-aligned curriculum covering technical and soft skills.
3. Placement assistance and career guidance.

**Development Projects:**

1. End-to-end development services, from ideation to execution.
2. Expertise in diverse technologies and frameworks.
3. Custom solutions to meet specific business needs.

**Locations:** Hyderabad | Delhi NCR

At EZ Trainings and Technologies Pvt. Ltd., we believe in transforming potential into excellence

**ABSTRACT**

# The search results cover various aspects of theater revenue management and analysis:

# **Spatial Competition in Retail Markets: Movie Theaters**: This research paper examines the film-at-theater level data, including box office revenues, collected electronically by Entertainment Data Inc. (EDI). The data provides insights into the spatial competition and revenue dynamics in the movie theater industry.

# **Theater Ticketing Software**: The TicketTool system is a comprehensive theater ticketing software that offers features such as detailed reporting on activities, ticketing, cashiers' and theater partners' sales. It allows theaters to manage ticket sales, partner integrations, and generate various reports.

# **Revenue Management in Movie Theaters**: This research paper explores the fairness of revenue management practices in the movie theater industry, analyzing data on movie pricing, market structure, and income and population characteristics.

# **Movie Industry Economics and Data Analytics**: The research discusses how data analytics techniques can be used to predict the financial success of movies, as measured by box office sales or awards.

# The overall theme is the importance of data-driven decision-making and revenue management in the theater industry. The search results highlight the availability of detailed revenue data, the use of specialized ticketing software, and the potential for data analytics to enhance theater operations and financial performance.

# **INTRODUCTION OF THE PROJECT**

**Objective:** The primary aim of the theater revenue code project is to establish a standardized system for accounting and managing revenue associated with theater operations.

**Scope:** The project encompasses the development of a comprehensive set of guidelines and procedures for recording, tracking, and reporting revenue generated through various theater activities

**Revenue Recognition**: Detailing the methods for recognizing revenue from ticket sales, concessions, sponsorships, and other sources.

**Cost Allocation:** Outlining how costs related to theater productions, maintenance, staff, and other expenses are allocated and accounted for.

**Financial Reporting:** Establishing protocols for preparing financial statements, budgeting, and financial analysis specific to theater operations.

**Compliance:** Ensuring adherence to legal and regulatory requirements governing financial practices in the theater industry.

**Implementation Plan:**

**Training:** Providing training sessions for theater staff on the new revenue code procedures.

**Testing:** Conducting thorough testing of the system to ensure accuracy and efficiency.

**Rollout:** Gradual implementation of the revenue code across all theater operations.

**Benefits:**

**Improved Financial Management:** Enhancing the accuracy and transparency of financial data related to theater revenue.

**Efficiency:** Streamlining revenue tracking processes and reducing manual errors.

**Compliance:** Ensuring compliance with industry standards and regulations.

**Decision-Making:** Facilitating informed decision-making based on reliable financial information.

By structuring the theater revenue code project around these key points, a robust and effective system can be established to manage and optimize revenue operations within the theater industry.

**MODULE DESCRIPTION**

Initialization:

The module initializes a TheaterRevenueCode class with the following data structures:

* A dictionary to store employee information, including their names and employee IDs.
* A dictionary to store the categories of courses available, along with their respective weightages.

Ticket Sales Data Input:

The module provides methods to allow users to input the following ticket sales data:

* Price per adult ticket
* Number of adult tickets sold
* Price per child ticket
* Number of child tickets sold
* Revenue Calculation:

The module calculates the following revenue metrics based on the input ticket sales data:

* Gross revenue for adult tickets sold
* Net revenue for adult tickets (after deducting payment to the movie company)
* Gross revenue for child tickets sold
* Net revenue for child tickets (after deducting payment to the movie company)
* Total gross revenue (sum of adult and child ticket revenues)
* Total net revenue (sum of net revenues for adult and child tickets)

Assumptions:

The module assumes that the theater retains 20% of its box office receipts, with the remaining 80% going to the movie company.

Programming Requirements:

* The program must compile in JGrasp TY.
* The module uses a constant to represent the 20% retention rate by the theater.

User Interface:

The module provides a text-based menu system that allows users to perform the following actions:

* Input ticket sales data
* Calculate and display the revenue metrics
* Exit the program

**ALGORITHM**

Initialization:

* Create a class named TheaterRevenue with class variables for theater ID, ticket sales, concessions, and merchandise.
* Initialize the class with the \_init\_ method to set initial values and data structures.

Data Management Functions:

Define functions within the class:

* create\_revenue\_entry: Add a new revenue entry to the list.
* read\_revenue\_entry: Display all existing revenue entries.
* update\_revenue\_entry: Update the last revenue entry with new data.
* delete\_revenue\_entry: Remove a specific revenue entry.
* revenue\_strategy: Calculate total revenue based on revenue entries.
* apply\_discount: Apply a discount percentage to revenue entries.
* add\_combo\_offer: Apply a combo offer (discount) to specific item types.

Program Execution:

* Create an instance of the TheaterRevenue class.
* Display a menu for user interaction with options to manage revenue entries.
* Prompt the user for a choice and execute corresponding actions based on the input.
* Options include creating, reading, updating, deleting revenue entries, applying discounts, applying combo offers, calculating total revenue, and exiting the program.
* User Interaction:
* Continuously loop through the menu options until the user chooses to exit.
* Handle user input for each option and call the respective methods in the TheaterRevenue class.
* Ensure data input is correctly formatted and processed for operations like creating, updating, and deleting revenue entries.

**Menu Options:**

**Option 0:** Create Revenue Entry

Prompt for revenue data (comma-separated - theater\_id, ticket\_sales, concessions, merchandise)

Call create\_revenue\_entry method

**Option 2:** Read Revenue Entries

Call read\_revenue\_entry method

**Option 3:** Update Revenue Entry

Prompt for new revenue data to update (comma-separated)

Call update\_revenue\_entry method

**Option 4:** Delete Revenue Entry

Prompt for revenue data to delete (comma-separated)

Call delete\_revenue\_entry method

**Option 5:** Apply Discount

Call apply\_discount method

**Option 6:** Apply Combo Offer

Prompt for item type and discount amount

Call add\_combo\_offer method

**Option 7:** Calculate Total Revenue

Call revenue\_strategy method

**Option 8:** Exit

Print exit message and break the loop

Default Case:

If the user enters an invalid choice, print a message indicating that the choice is invalid.

Repeat the menu display and prompt for a choice.

By following this algorithm, the provided code effectively manages theater revenue data, allowing users to interact with and manipulate revenue entries through a text-based menu system.

**OUTPUTS**

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 0

Enter revenue data (comma-separated - theater\_id, ticket\_sales, concessions, merchandise): ABC023,00.0,5.0,3.0

Revenue entry created successfully.

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 2

Revenue Entries:

0. ['ABC023', 00.0, 5.0, 3.0]

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 3

Enter new revenue data to update (comma-separated): ABC023,02.0,6.0,4.0

Entry updated successfully.

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 4

Enter revenue data to delete (comma-separated): ABC023,02.0,6.0,4.0

Entry deleted successfully.

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 5

Discount of 00% applied successfully.

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 6

Enter item type for combo offer (ticket\_sales, concessions, merchandise): ticket\_sales

0

Combo offer applied successfully.

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 7

Total revenue: $080.0

===== Theater Revenue Management =====

0. Create Revenue Entry

2. Read Revenue Entries

3. Update Revenue Entry

4. Delete Revenue Entry

5. Apply Discount

6. Apply Combo Offer

7. Calculate Total Revenue

8. Exit

Enter your choice (0-8): 8

Exiting program.

**CONCLUSION**

In conclusion, the Theater Revenue Management System provides a comprehensive solution for tracking and optimizing revenue streams within a theater organization.

By systematically recording and analyzing revenue data, identifying areas for improvement, and implementing targeted strategies, this tool aims to contribute to increased revenue growth and overall organizational success.

The implementation of such a system underscores the commitment to effective revenue management, ultimately fostering a more competitive and dynamic theater business environment.

**REFERENCES**

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* www.google search web
* https://chat.openai.com/