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CONCERT TICKET AUTOMATION SYSTEM

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Project Proposal Assignment # 1

Introduction

The Concert Ticket Automation System will maintain information about the Artists and Festivals to be selected in the concert ticket system. It will store information in the MySQL database. For user interface, Java with SWING will be used. The details of the project are given below:

List of Objects

The project mainly consists of following entities:

1. Customer
2. Artist
3. Festivals
4. Floor Plan
5. Catering
6. Concert Rules
7. Reservation



Detailed functions

1. Customer

Function Name	Description
Add customer	Add a new customer to database
Delete customer	Delete an existing customer from database using customer ID
Update customer	Update an existing customer from database using customer ID
Add concert	Add a new concert
Delete concert	Drop a concert which he demand using concert ID
Print Ticket	Print ticket created by admin
Search by Name	Search customer by name
Search by ID	Search customer by ID
Search by phoneNumber	Search customer by phone number
View Students by concert	Show all customers of a particular concert

2. Artist

Function Name	Description
View Artists	Shows all Artists
Add Artists	Add a new Artist
Delete Artists	Delete an existing Artist
Update Artists	Update information of an existing Artist
Add date	Upload date of artist
Update date	Update date of artist
Delete date	Delete date of artist
Upload PopularityRate	Upload PopularityRate about Artist
Remove PopularityRate	Remove PopularityRate of Artist
Update PopularityRate	Update PopularityRate
Search by PopularityRate	Search Artist by PopularityRate
Search by ID	Search artist by ID

3. Festivals

Function Name	Description
View Festivals	Shows all Festivals
Add Festival	Add a new Festival
Delete Festival	Delete an existing Festival
Update Festivals	Update information of an existing Festivals
Add date	Upload date of Festivals
Update date	Update date of Festivals
Delete date	Delete date of Festivals
Upload PopularityRate	Upload PopularityRate about Festivals
Remove PopularityRate	Remove PopularityRate of Festivals
Update PopularityRate	Update PopularityRate
Search by PopularityRate	Search Festivals by PopularityRate
Search by ID	Search Festivals by ID

4. Floor Plan

Function Name	Description
Add	Add a new Floor Plan
Update	Update Floor Plan
Delete	Delete Floor Plan
View Categories	View Floor Plan categories
View Quota	View Category quotas

5. Catering

Function Name	Description
Add Catering	To add new Catering
Update Caterings	To update an Catering
Delete Catering	Delete Catering
Upload Catering	Upload Catering

6. Event Rules

Function Name	Description
Add Event Rule	Add Event Rule of Concerts
Update Event Rules	Update existing Event Rule
Delete Event Rule	Delete Event Rule
View Event Rule	View Event Rule by concert category

7. Reservation

Function Name	Description
Add	Add new Reservation
Update	Update Reservation
Delete	Delete Reservation
View	List Reservations