
GVT(Great Victoria Team)

**Movie Ticket Ordering System
Glossary**

Version 1.1

Movie Ticket Ordering System	Version: 1.1
Glossary	Date: March 31, 2019

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1 Purpose

The customer GVC(Greater Victoria Cinema) is preparing to start movie business and needs to operate Movie Ticket Purchase system for their customers' convenience.

2 Scope

2.1 In-Scope

No	Description
R1	Display information about the movie – the title, the main actor(s) and rating.
R2	If the rating is restricted, the customer may not purchase any tickets for child/children.
R3	The system provides an appropriate message to the customer when a movie is not available and why – cancelled showing, sold out.
R4	The interface must be as simple as possible; preferably an interface where the user just clicks radio buttons or checkboxes.
R5	The total owing (including a breakdown of taxes) must be displayed to the customer.
R6	The ability to choose the type of payment. - The ability to pay with debit or credit card.
R7	The ability to processes the payment and return the appropriate message to the customer (approved, rejected – for example, a credit card always has 16 digits and valid expiry).
R8	The ability to print out a receipt (you do not need to send to printer, just print to the screen).
R9	The ability to print tickets (you do not need to send to printer, just print to the screen).
R10	Update the number of seats available for any movie (hidden).
R11	A message to inform the customer that refunds can only be done through a ticket sales representative.
R12	The ability to purchase a ticket up to one week in advance
R13	The ability to purchase more than one ticket at a time
R14	The ability to purchase tickets for more than one movie.
R15	The ability to select the day of the movie
R16	The ability to select the time of the movie
R17	The ability to select the rate of the ticket(s) – adult, child, senior.

2.2 Out-Scope

No	Description
NR1	The ability to cancel a transaction in its entirety or just a portion of the transaction. - Only cancel it through a ticket sales representative.

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3 Definitions

3.1 Actor

Administrator: Enroll, modify, delete movie information (title, rate, price, time)
Customer: Search the movies based on time, rate and purchase it
Payment Company: Provide payment process in 2 ways credit and debit

3.2 Administrator

Check the available seats
Display the paid ticket information and cancel it
Manage a movies for adding, modifying and deletion information

3.3 Attribute

Movie name: the title of the movies
Movie price: price of the movie based on time and day
Movie rate: movies are categorized based on 5 cases such as G, PG, PG13, R, NC17
Movie time: scheduled time of the movies
Available seats: each movie has the available seats
Payment type: credit and debit
Payment date: the date of complete payment
Ticket number: unique number for paid movie
Ticket quantity: the quantity paid for a movie
Movie main actors: the names of main actors of a movie

3.4 Class

Movie: movie number, title, time, rate, price type, main actor name and available seat
Price: price type, age, price
Customer: ticket number
Ticket: ticket number, movie number, quantity, payment date, payment type and card number

3.5 Customer

Display the movie and check the title, rate, price, time
Pay the price
Print the receipt

3.6 Database System

Stores the movie, payment information such as times, ticket number. All data is changeable by a manager.
All data is stored as a file type.

3.7 Electronic Payment

Processes the payment and retrieves validation information for a customer transaction.
Card number is fixed 16 digits.

3.8 Interface

Payment request is sent to credit company and gets the result

3.9 Method

Display the movie
Pay the movie
Check the price
Check the validation by rate

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3.10 Movie

Title, Rate, Price based on the cases, Time

3.11 Object

Movie

Ticket

Price Type

3.12 Operation

Display the movie

Pay the movie

Check the price

Check the validation by rate

3.13 Parameter

Payment Type

Price Type

Age

Time

Quantity

Date

3.14 Scenario

A customer displays a movie and gets the list of movies meet the search condition such as time, rate

A customer pays the tickets and gets the result and valid ticket numbers.

3.15 Showing

A specific movie playing at a specific time, rate.

3.16 Transaction

A customer pays the price after choosing a movie, time, quantity.

3.17 Use-case

A customer gets the message, if there is no available seat.

Movie lists will be shown by searching it with some conditions

A customer pays the price and gets the receipt