МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ
РОССИЙСКОЙ ФЕДЕРАЦИИ

федеральное государственное автономное
образовательное учреждение высшего образования
«Самарский национальный исследовательский университет
имени академика С.П. Королева»
(Самарский университет)

Институт информатики, математики и электроники
Факультет информатики
Кафедра суперкомпьютеров и общей информатики

Отчет по лабораторной работе № 5

Дисциплина: «Enterprise Systems Development (Методы проектирования и

поддержки требований к программному обеспечению)»

Тип предприятия: **«Cinema chain»**

Выполнил: Мелешенко И. С.

Группа: 6133-010402D

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СОДЕРЖАНИЕ

1 Assignment #1. Class diagram

Objective: To study the basic features for creating and editing class diagrams

Tasks

1. Study the possibility of describing the static structure of the information system. Learn how to allocate in the system of the basic classes and describe their properties and behavior. Create Class diagram. Describe at least 5 classes with relations.

2. Add Class diagram image to doc report.

3. Add table with comments:

Class name	Attributes/Methods	Data type/Comment about method assigment
Class1	Attribute1	Char[100]
	Method1	This method adds new list…
	…	

2 Лабораторная работа №5 Class diagram

The chosen company type is Cinema Tickets chain.

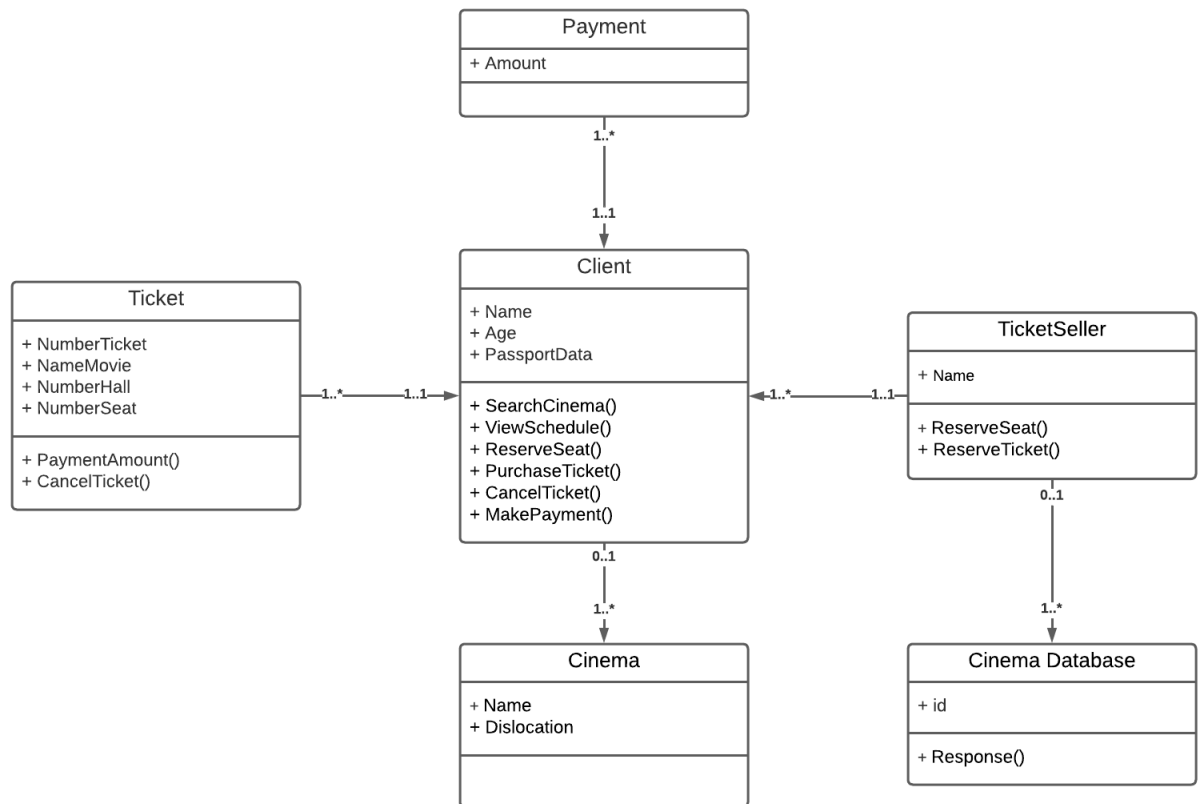The purpose of the system: online purchase of cinema tickets.

Figure 1 - Class diagram

Table 1 - Class diagram

Class name	Attributes/Method	Data type/Comment
Client	Name	string
	Age	int
	Passport_Data	int
	SearchCinema()	The method searches for affordable cinema
	ViewSchedule()	The method allows you to view the schedule
	ReserveSeat()	The method reserves a seat for the client
	PurchaseTicket()	The method assigns a

Class name	Attributes/Method	Data type/Comment
		ticket to the client
	CancelTicket()	The method detaches the ticket from the client
	MakePayment()	The method allows the client to pay for the ticket
Payment	Amount	decimal
Ticket	NumberTicket	int
	NameMovie	string
	NumberHall	int
	NumberSeat	int
	PaymentAmount()	Method adds ticket price
	CancelTicket()	Method nullifies the ticket
TicketSeller	Name	string
	ReserveSeat()	The method reserves a seat for a specific client
	ReserveTicket()	Method reserves a ticket for a specific client
	CancelTicket()	Method cancels ticket
	ReseivePayment()	The method processes the payment
Cinema Database	ID	int
	Response()	The method requests a ticket from the database
Cinema	Name	string
	Dislocation	string