Programming Using C#, Basic Course

Assignment 7

ONLINE RESERVATION SYSTEM (ORS)

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Description of the objectives:

Now a day everyone uses Internet for booking movie tickets to buying food. And an effective online reservation form important for the end users to get the benefits of the latest technology.

Online Reservation System (ORS) enables the user to store details of the customers and book the tickets for the chosen type of transportation train, buss or flight on a particular date. The user will be able to add new transportation info. And user can see the timetable of different transportation means.

The end user of this software is reservation personnel in a Travel Agency.

- Only registered customers can book the tickets. And User will be able to add new customers.
- User will be able to see how many seats are left in each of the transportation (train, buss or flight)
- Only 5 members can be booked on behalf of one customer name.
- There will be rebate in prices depending on age groups. (<2 years, 2-15 years, 15 – 25 yrs, > 25years)
- Customer will be given a reservation number to follow up with if anything changes.
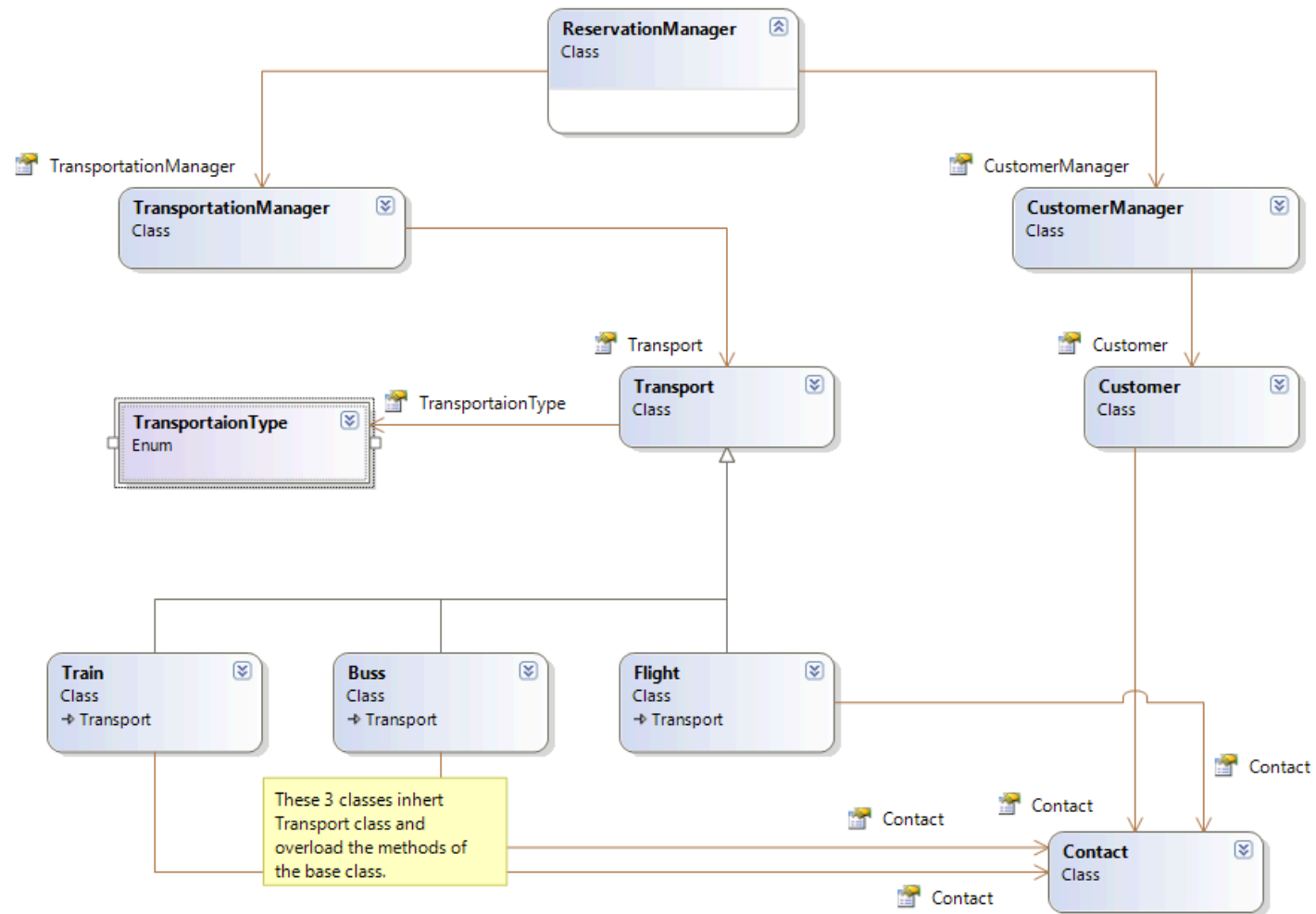- Only reservations between fixed stations are allowed.
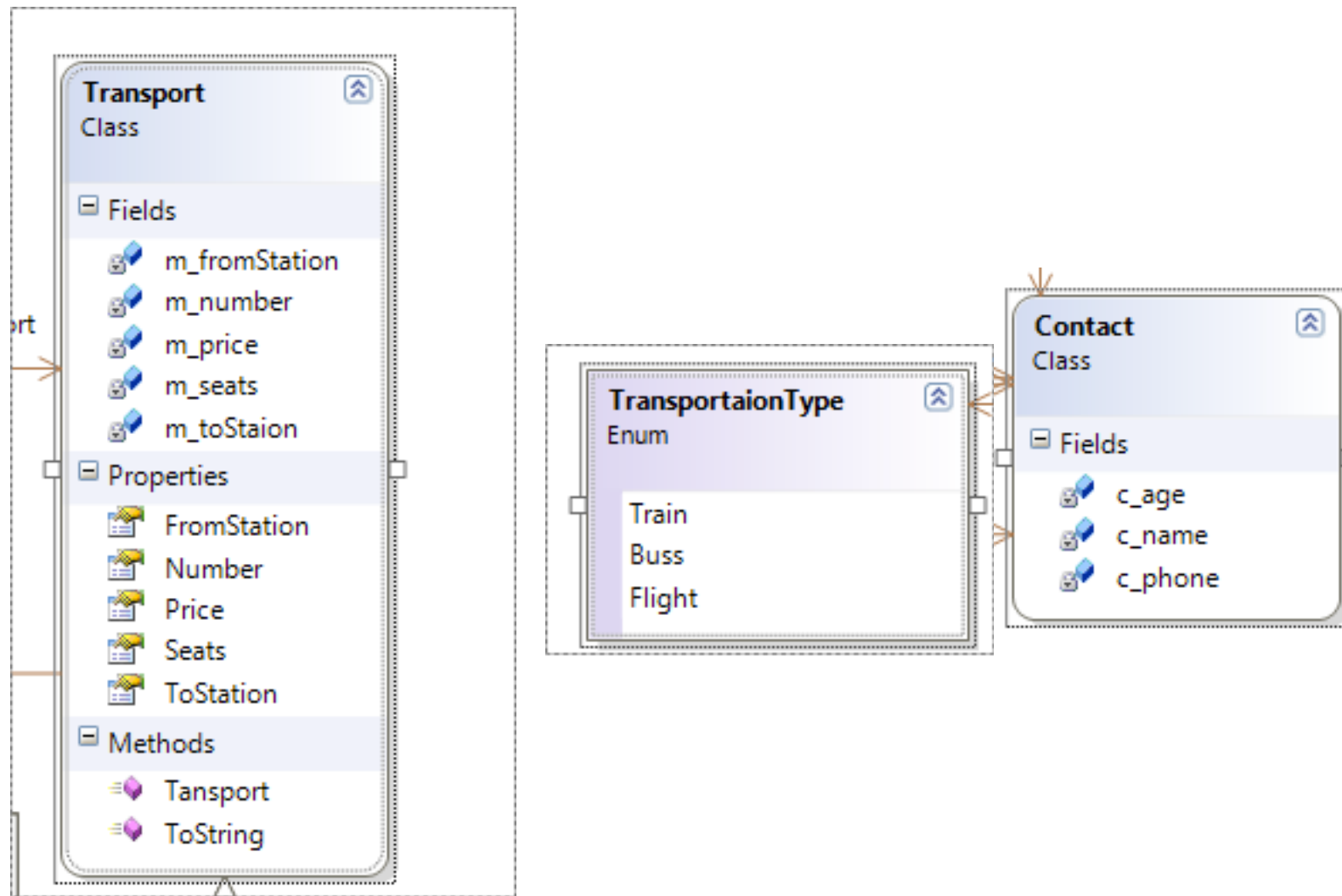
Class diagram:

The class diagram shows the relation between class and some of the methods. The attributes and classes may vary at the time of implementation depending on the requirement.

GUI (supposed)

File	Customer	Transportation	Help

Make reservation   Reservations   Customers

From _____(Drop Down)_____   Type of transportation
                                                                    O Train
To   _____(Drop Down)_____   O Buss
                                                                    O Flight

Date _____

No. of passengers _____(drop down)_____

Continue

Class Diagram

ReservationManager
Class

TransportationManager
Class

CustomerManager
Class

Transport
Class

TransportaionType
Enum

Customer
Class

Train
Class
Transport

Buss
Class
Transport

Flight
Class
Transport

Contact
Class

These 3 classes inhert Transport class and overload the methods of the base class.

Transport
Class

Fields
- m_fromStation
- m_number
- m_price
- m_seats
- m_toStaion

Properties
- FromStation
- Number
- Price
- Seats
- ToStation

Methods
- Tansport
- ToString

TransportaionType
Enum

Train
Buss
Flight

Contact
Class

Fields
- c_age
- c_name
- c_phone

I have provided some attributes and some of the classes. (These are tentative).

Time schedule:

The following table shows tentative time schedule, it may vary but the final submission will be done by deadline. As I will be doing this project alone, expected time duration may change.

	Dates
Project Proposal	3 – 7th December
GUI	10 – 24th December
Classes	10-24th December
Testing	24 – 29th December
Submission	30 or 31st December

I hope you understand the purpose of my project. Please do let me know if any more information is needed.

Regards,
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