CSE212

SOFTWARE DEVELOPMENT METHODOLOGIES

SPRING 2017

LABWORK 3 - SECTION 1

For this labwork you are required to improve your previous application that you wrote in Labwork 2. You are going to add two classes;

- The Person class will have name, surname and ID variables with each variable having their ow set and get methods.

- The Customer class will be a subclass of Person, having CustomerID and Address variable with set and get methods.

During reservation the application must also request customer information. This information will be hold in a Customer object defined in your appropriate class.

You will also add a static variable and its get method to you existing Bus superclass which will host total number of reservations. This variable must be increased for each reservation and must be decreased for each cancelation.

You will also add Cost interface which will have getCheck() method. You need to implement this method in all of your Bus classes and calculate the cost of your reservation in a different menu option.

- SimpleBus cost will be $10 per seat

- LuxuryBus cost will be $20 per seat + (numberOfEmptySeats) * $5

- DoubleDecker cost will be $10 per seat at the 1st floor, $15 for second floor.