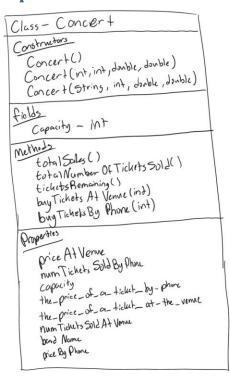# Lab Report 07

Problem

Write a program that keeps track of a concerts information and stats.

Proposed Solution

Class – Concert

Constructors
Concert()
Concert(int, int, double, double)
Concert(String, int, double, double)

fields
Capacity – int

Methods
totalSales()
totalNumber Of Tickets Sold()
ticketsRemaining()
buyTickets At Venue (int)
buyTickets By Phone (int)

Properties
price At Venue
numTickets Sold By Phone
capacity
the_price_of_a_ticket_by-phone
the_price_of_a_ticket_at-the_venue
numTickets Sold At Venue
band Name
price By Phone

`

Tests and Results

Problems Encountered

With so much code I kept forgetting to add semi colons. I also had a slight struggle with the names of variables.

Conclusions and Discussion

This lab strengthened my understanding of classes and how two different programs can be integrated.

Additional Questions

1. Draw a UML diagram to represent the Concert class in the proposed solution section.

DONE!

2. How can you distinguish 2 overloaded methods?

Signatures are used to distinguish overloaded methods. A signature is a combination of the method's *name* and the *number*, *types* and *order* of its parameters