C++ Programming, Comprehensive

Assignment #1 Due Date:

Convert C Source Code to C++

Programming Requirements

- Submit your assignment into a **single CPP**.
- You must write **your name** at the top of your assignment source list.
- Write your **compiler version and operating system name** at the top of your assignment source list.
- Assignment that is turned in late will lose **one point per day** starting after the due date.
- Make sure that you do appropriate **error checking** in your program. (User-friendliness)
- Do not turn in **incomplete or crashing program**, you will receive **zero points**.
- Make sure to read **grading policy** carefully that will tell you how your assignment is graded.

Assignment #1 Grading Policy

Category	**Points Possible**	**Points Received**
Correctness and Efficiency	10	
Meaningful variable names	10	
C++ **class** declaration	15	
Using **new** and **delete** operator for array allocation	20	
Style and code readability	20	
Complete Documentation	10	
User-friendliness, see example 2-3	15	
Total	100	

 Version 3.5

Assignment Description

In assignment #1 you will learn how to convert C source code into a C++ code. You will define a C++ data structure "**class**". In the "**class**" body you will add **member functions** and **data members**. It is your responsibility to use object oriented concepts you have learned so far and organize the source code the best possible way, **without changing** the **logic** of the program. You will use "**cout**" and "**cin**" objects instead of printf and scanf. You will dynamically allocate memory for two dimensional array using C++ operator "**new**", please see **example 2-8** from lecture 2 class notes. Please follow the grading policy while you are doing assignment one.

