**Section 11.1**

Our system will have control classes, and brokers, that will be in charge of directly interacting with the database. The control pattern will implement the application logic layer of our system. Any insertion, deletion or updating of data occurs with the assistance of these classes. The control classes are also used to perform any interaction with the interface and problem domain layers. Basically they are the link between the physical data in the database and what the user sees in the end. The broker classes are in place to put forth an application programming interface to allow developers to get data from the database without directly interacting with the data. This is in place to ensure that the data integrity of the database stays consistent throughout system use. Ensuring data integrity is a key aspect of a system with a four tier-architecture. Allowing the developers to access direct data and information from the database without physically letting them grab the data is the key point of having the control classes.

The presentation layer is implemented in the interface classes which will be used to communicate with the users in an easy to use fashion.

The interface classes will then interpret the user interaction and send that parsed information to the broker classes to get the information that the user requested. From there the interface class will parse the information received from the broker classes back into a format that the user can understand and interact with.

**Section 11.3**

Should be replaced with the doc I posted for the data sizes.

**Chapter 17**

**Date formats:** I would suggest changing it to Mon DD, YYYY or something to that extent since the order of ‘DD’ and ‘MM’ differs in U.S and Canada, let alone other countries.

***Noorin:*** *There are three layers already explained:*

* *Problem domain and API*
* *Interface*
* *Database*

*I added the fourth layer which is basically the control classes* ***End quote***

**Application logic layer:**

This layer of architecture will handle the manipulation of entities in the system. It will consist of all the controller classes. It will handle the maintain classes as well as any interaction between the presentation and domain layers.