Lab 5 Builder Lab

Theory Questions

1. Some characteristics of the creational design pattern is that it keeps information about the specific class used in the system hidden. This is done for encapsulation purposes separating the creation logic to the usage logic. They also hide the details of how instances of these classes are created and assembled. Reason is that some objects require multiple steps or dependencies to be set up correctly. Some creational patterns like Builder and Abstract Factory encapsulates the complex process so the client doesn’t need to handle it manually.
2. The main difference between an Abstract class and concrete class is that an Abstract class is class that cannot be instanciated and is meant to be extended by subclasses. A concrete class is a fully implemented class that can be instanciated.
3. The intent of the Builder pattern is to separate the construction  
   of a complex object from its representation so that the same  
   construction process can create different representations.