**Lab 5 Report – Advanced Programming in .NET**

**COMP – 10068**

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**Part 1:**

1) Factory

2) Builder

3) Object Pool

4) Observer

5) Adapter

**Part 2:**

1) Factory because toys are made in a factory

2) Builder I chose because you BUILD a computer, so it made sense to use that design pattern

3)

4) Observer because it makes sense to use an observer pattern for an auction, from experience with auctions on eBay.

5) Adapter because we are trying to implement an adapter for our plugs.

**Part 3:**

1) Getting my Factory to create the toys

2) Deciding on if I wanted to have my builder add the CPU, MEMORY and GRAPHICS CARD directly to the Motherboard or just add them to the computer

3)

4) Deciding if I should have a list of items to bid on or just have a single item users can bid on

5) Figuring out how to use the adapter pattern

**Part 4:**

1 – 4: Your GitHub repo

5) https://sourcemaking.com/design\_patterns/adapter/java/1