Q2

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| --- | --- |
| **Pipe and Filter** | |
| **Advantages** | **Disadvantages** |
| No knowledge of methods needs to be known | A lot of overhead reading and manipulating each data type in the pipes |
| Very easy to run filters concurrently | Limiting when trying to make interactive |
| Modularisation allows easy reuse of code |  |
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| --- | --- |
| **Abstract Data Type - ADT** | |
| **Advantages** | **Disadvantages** |
| Modularisation allows easy reuse of code | Signatures of objects need to be known to be used |
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| --- | --- |
| **Layered** | |
| **Advantages** | **Disadvantages** |
| Modularisation allows easy reuse of code and easier maintenance | Sometimes it is better for non-adjacent layers to communicate, to reduce overhead. |
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|  |  |
|  |  |

Q3

Big data – perhaps could use pipe filter? I’ve threaded it so it should run the fastest out of the lot.

Q4

Up to you, could quite easily use ADT or Layered