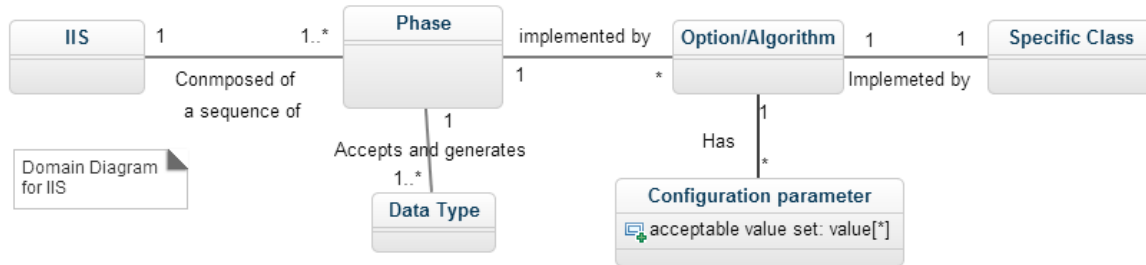**Name: Zhoucheng Li**

Andrew ID: zhouchel

Homework 1

Task 1.1 Domain diagram for Intelligent Information System

"An Intelligent Information System is composed of a sequence of data processing operations or phases. Each phase accepts certain data types as input and produces certain data types as output. Each phase can be implemented by any number of algorithms or options. Each option is implemented by a specific Java class. Each option may have any number of configuration parameters; each configuration parameter has some set of acceptable values." Draw a UML Domain Diagram to represent the domain concepts, associations (with multiplicities) and attributes expressed in the description above.

Task 1.2 Domain diagram for Analysis Engine

"An Analysis Engine is composed of a sequence of algorithms or options. Each option accepts certain data types as input and produces certain data types as output. Each option is implemented by a specific Java class. Each option has some number of configuration parameters; each configuration parameter has a specific assigned value." Draw a UML Domain Diagram to represent the domain concepts, associations (with multiplicities) and attributes expressed in the description above.