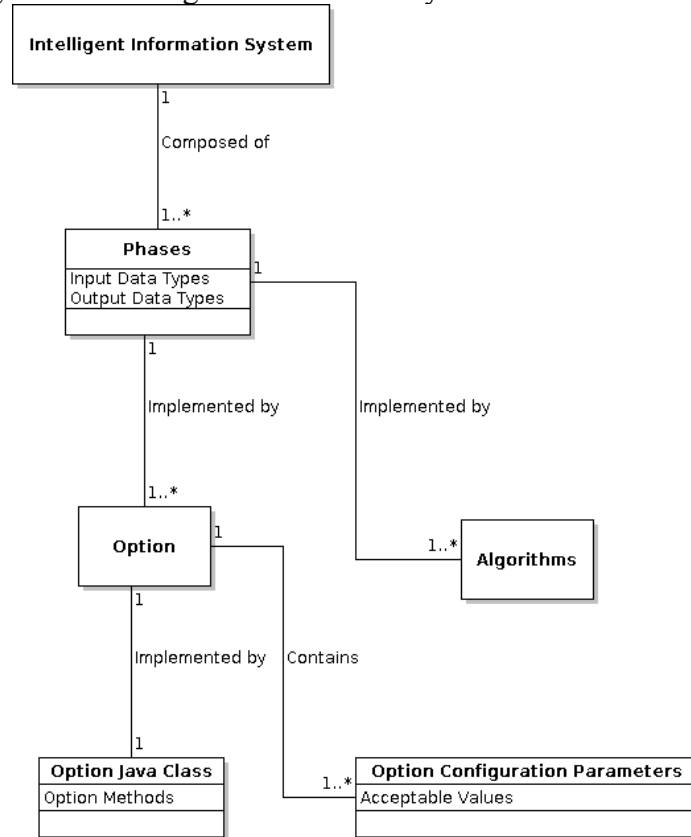UML Homework
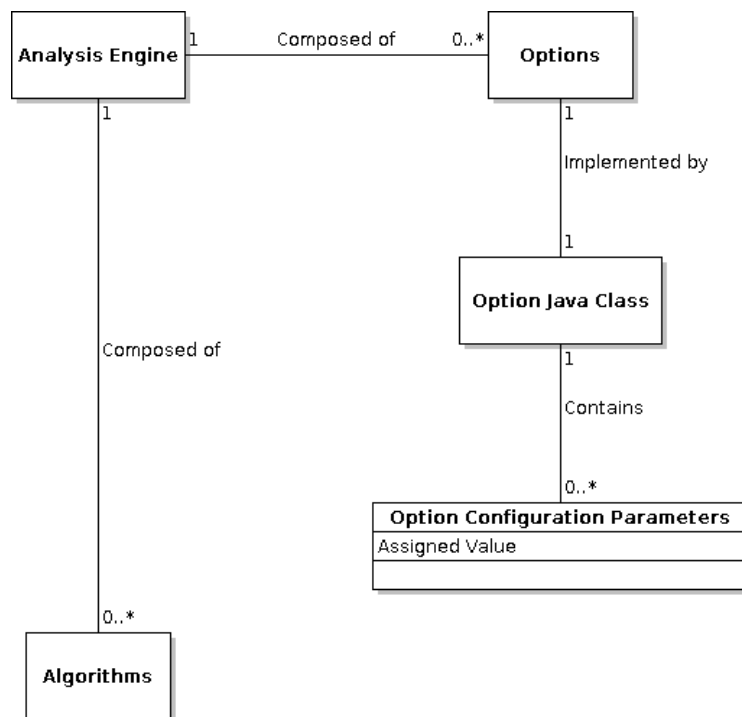
Yuchen Zhang (yuchenz)

1. UML Design
   (1) Domain diagram for Intelligent Information System

   (2) Domain diagram for Analysis Engine

Class Diagram

Analysis Engine 1 —— Composed of —— 0..* **Options**

Options 1

Implemented by

1 **Option Java Class**

1

Contains

0..*

Option Configuration Parameters
Assigned Value

Analysis Engine 1

Composed of

0..*

Algorithms

(3) Sequence Diagram

Participants: Intelligent Information System, IIS Object, Analysis Engine, ArrayList

- InstantiateEngines → Intelligent Information System
- readInformation → IIS Object
- Analysis Engine Info (return)
- initializeAnalysisEngine → Analysis Engine
- Analysis Engine Object (return)
- add(analysisEngineObject) → ArrayList
- List(AnalysisEngines) (return)
- List(AnalysisEngines) (return)