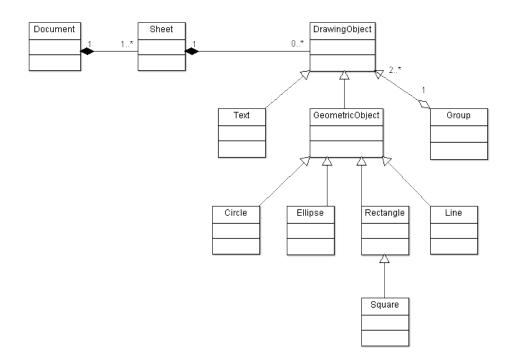
Seth Denney COMP 3700 HW1

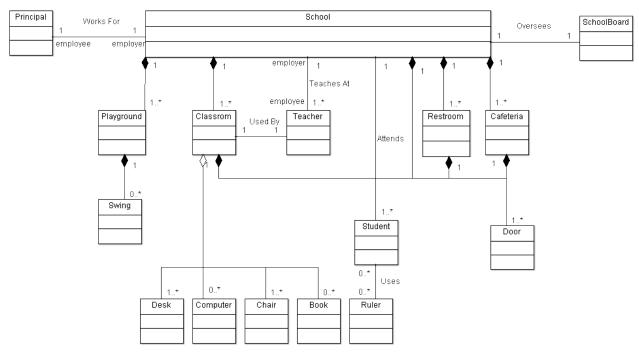
DISCLAIMER: ArgoUML has a few quirks, which may show up throughout this submission. I will search for a more suitable environment, but for now I must finish this assignment with what I have, I will attempt to spell out the changes that *should* appear in a more ideal modeling solution wherever the need may arise.

ArgoUML will not allow a multiplicity of '*', so I had to type '0..*' instead in certain instances.

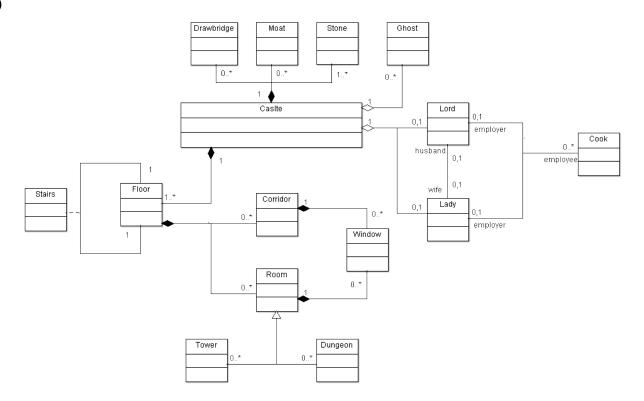
1.)

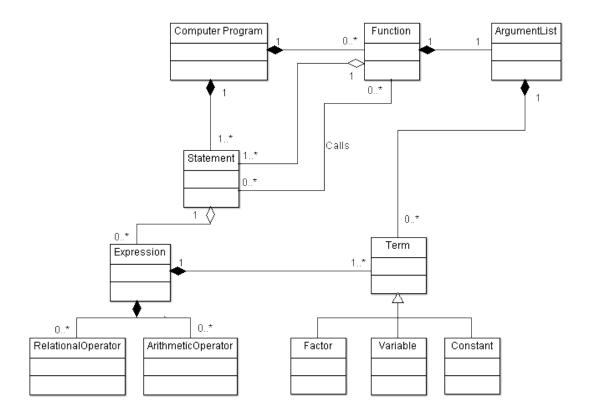


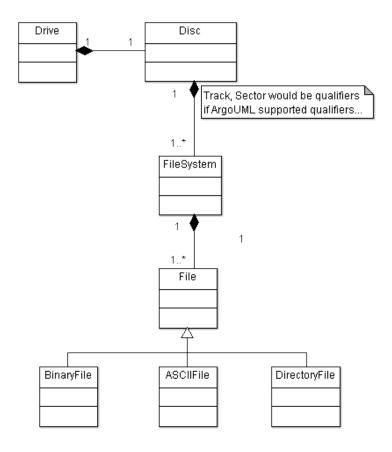
2.)
a) ArgoUML does not allow for qualifiers (or even text boxes to use as qualifiers), but I would have qualified Student and Classroom with 'StudentID' and 'RoomNumber' respectively.

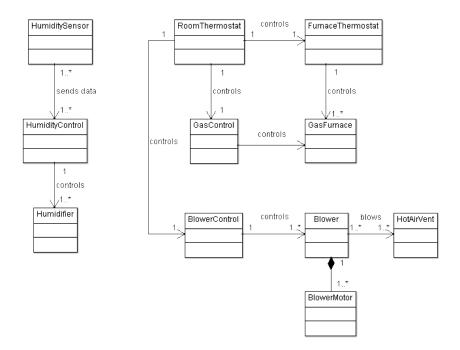


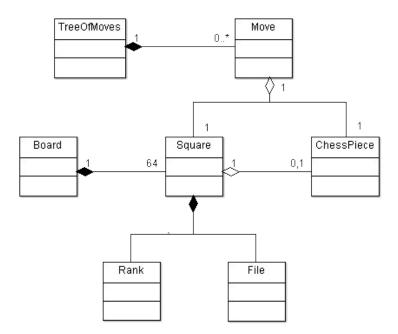
b) Wheel Door TailPipe TransportMethod Tread 0..* 1..* Other Automobile Connected To Provides Braking For 1..* Controls BrakeLight Muffler Brake Engine Battery Initiated By Transports Exhaust From

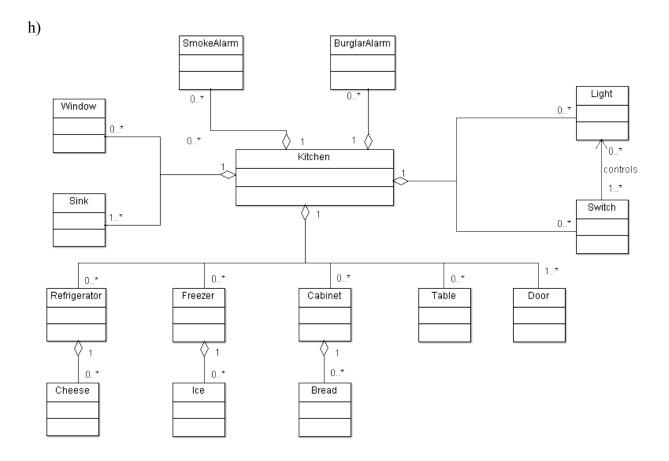




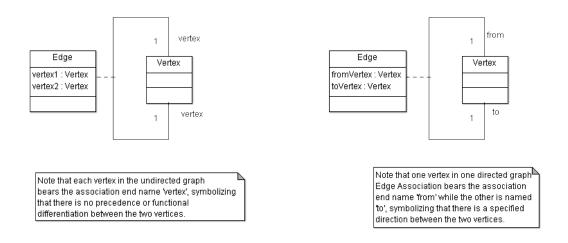








3.)



- 4.)
- a) Aggregation A country has a capitol city.
- b) Association A dining philosopher uses a fork.
- c) Generalization A file is an ordinary file or (is) a directory.
- d) Aggregation Files **contain** records.
- e) Aggregation (specifically Composition) A polygon is composed of an ordered set of points.
- f) Generalization A drawing object is a text, a geometrical object, or a group.
- g) Association (trinary) A person uses a computer language on a project.
- h) Generalization Modems and keyboards are input/output devices.
- i) Aggregation Classes may **have** several attributes.
- j) Association A person **plays for** (ie. Is associated with) a team in a certain year.
- k) Association A route **connects** two cities.
- l) Association (trinary)– A student takes a course from a professor.

5.)

