6.170 Assignment 2: Object Modeling

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A. Reading: 5/5
Comment: N/A

B. Conceptual Modeling: 29.5/30
Comments:
Question 1: Introducing the notion of credit is good to resolve ambiguities.

Question 2: Well discussed designation, ambiguities and complexities. You have correctly identified that with this model you would have problems showing the directionality. The way to approach this is that roads have intersections, and consist of segments, each of which is from an intersection and to an intersection.

Question 3: Very good

Question 4: Very good!

C. Python Modules: 29/40
Comments:
Question 1: Should use straight lines and consistent boxes for representation. Should do subsets using consistent semantics with the ones in lecture. It is not explained how new entries are added to the symbol table. No statement indicating that the symbol names in the symbol table are unique.

Question 2: N/A

Question 3: No indication of how symbols are added to the symbol table in the OM. No statement on how collisions are dealt with in writeup.

Question 4: OM does not reflect the fact that import statements utilize the python path to locate modules

D. API Extraction: 9/10
Comment: Good job on this one!

E. Metamodeling: 12.5/15
Comment: * ? ! + are instantiations of "Multiplicity", not subsets (there is no set of "!" elements, it's a just one single symbol). Another problem was: although you clarified the meaning of Disjoint tree, the model still seems pretty vague -- OMs are about abstraction, but this one might have been too much? Last nit: you didn't finish your last sentence :). Great work overall!

Assignment 2 Grade: 85/100