

# BIOL 498/CMSI 698

## SPECIAL STUDIES: BIOINFORMATICS Spring 2006

### **Assignment 0216**

#### **UML Specification Exercise**

Now it's time to take a step back and add a little more thinking to go with the doing. The first two assignments were somewhat "Nike-style" — go out there and "just do it." Now we want to use some UML to express some of the constructs that we have encountered so far.

#### **Not for Submission**

Feel free to chip away at XMLPipeDB as you see fit.

#### **For Submission**

Develop UML diagrams that formally specify the following structures or processes. Work in pairs or trios as indicated:

1. Express the UniProt XSD in UML: Joey, Roberto
2. Express the structure of XMLPipeDB in UML: Joe, Scott
3. Express the information flow of XMLPipeDB in UML: Babak, David
4. Revise/improve/complete the design of XMLPipeDB in UML: Adam, Jeffrey, BJ

Use any tool that you see fit, as long as you can (a) submit your diagrams on hardcopy and (b) submit your diagrams in some platform-independent format (PDF, PNG, etc.).