Serie 8 - Objects and Prototypes

JS Material and tutorials:

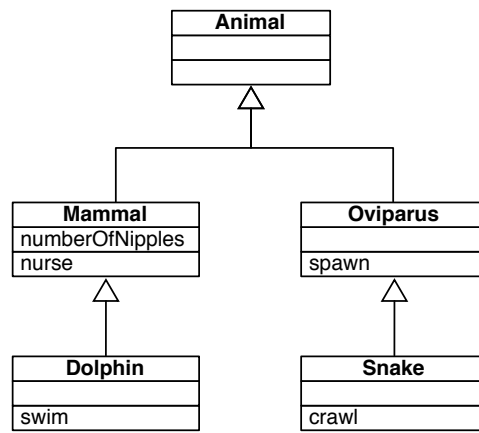`http://scg.unibe.ch/teaching/pl/resources`

1 Theoretical Questions

1. What happen if we assign a variable without using the command "var"? Which problems could cause?

2. How do you extend all objects created with a specific constructor?

3. What is a closure?

4. What is the difference between delegation and inheritance?

5. How would you access arguments of a function with variable number of arguments?

2 Poor Platypus

A possible classification for animals is the one shown in Figure 1. When it comes to classify the platypus you realize that it nurses but it also spawns. So implement the class diagram shown in figure 1 including the poor platypus in Java Script. Use the ex2/poorPlatypusToSolve.html file as skeleton for your implementation.

3 Post Office

Some public places nowadays have special rules so to serve high priority customers first independently from when they entered the queue. Simulate in Java Script a post office where high priority customers are served first. Use the ex3/postofficeToSolve.html file as skeleton for your implementation.

Figure 1: Animal classification