APPMOB - Javascript Functions

Olivier Liechti & Simon Oulevay COMEM Applications Mobiles



Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud

Functions as First-Class Objects



In Javascript, a function is a **first-class object**. In other words, it's a value like any other value, such as a number, string, object or array. It can be stored in variables and passed as an argument.

Function Declaration



Here are some ways to declare functions.

```
You can store a
                                 var add = function(a, b) {
      function in a variable.
                                   return a + b:
                                 };
                                 add(1, 2); // 3
                                                                  You can define a
                                                                  named function.
                                 function sub(a, b) {
 Note that when you use it,
                                   return a - b;
there's no difference between
                                                            You can define and pass an anonymous function
a function stored in a variable
                                 sub(1, 2); // -1
                                                               directly, using neither a variable nor a name.
   and a named function.
                                 downloadItems(function(items) {
                                   // do something with items
                                 });
                                 var o = {
   You can store a function as
                                   mul: function(a, b) {
   the property of an object.
                                     return a * b;
                                 o.mul(2, 3); // 6
```