Announcements

* The Project 4 instructions are complete and have been uploaded to Canvas. The project is due 2/19.
* The current version of they syllabus is now linked in the Syllabus Description on Canvas (even though the link and text are for an older version. It’s a Canvas bug.)

Objects with arrays

* An array can be defined like this: var minions = [“Kevin”, “Dave”, “Jerry”, “Tim”];
* An array is defined within an object literal like this:

var university = {

departments: [“physics”, “linguistics”, “history”, “CIS”]

};

// Note, that the same object could have other properties too

* A method (a property that is a function) can be added to the object that gets an array element’s value. We’ll use an ordinal number so that it’s more user friendly.  
    
  university.getDepartmentByNumber = function(number) { return this.departments[number – 1]; }
* A method can be added that checks to see if a particular department is in the university’s array:  
    
  university.isDepartmentInUniversity = function(deptName) {  
   for(d in this.departments) {  
   if (deptName == this.departments[d])  
   return true;  
   }  
   else   
   return false;

}

* Another way to check for a match (in any context, not just in an array and not just in an object) is to use a Regular Expression object, this is a built in object in JavaScript and is called RegExp.  
    
  // partial snippet of code  
  var matchPattern = new RegExp(deptName);  
  for(d in this.departments) {  
   if(matchPattern.test(deptName))  
   return true;