



## COMP4382: Special Topics, Web Services Technology

2nd Semester 2015/2016

### Assignment 1

**Due March 3rd, 2016 before midnight**

Assume that you are designing a Web service (e.g., for a Mobile Application) through which a user can retrieve the list of his friends in a social network and their location information. As a *Web service developer* your first step is to develop the data model for your project and do some parsing tasks.

In this assignment you are asked to

**Part I:** represent the following data in both XML and JSON formats:

1. Users profile information (design your own profile)
2. Users friendship information, i.e., the list of friends (hint: each user is identified by and ID).
3. Each friends location information (both GPS location and addresses) as follows:

name	ID	location	address
Nariman Ammar	0	47,-122	4500 Cass Avenue, Detroit MI 48202
Alice Bob	1	42.3,-83.2	6320 Asbury Park, Detroit, MI 48228

**Part 2:** parse both XML and JSON files and print the results on the console.

For example, given an XML file

```
<User>
  <name>Nariman</name>
  <dob>02/29/1970</dob>
</User>
```

should produce:

User:

name: Nariman

dob: 02/29/1970

Same for JSON.

**Deliverables:**

A project that includes the the parsing java file as well as the XML and JSON files

Submissions for assignments are **INDIVIDUAL** work.

Submissions should be made through github by creating a github account, creating a private repository, uploading projects to the repository, and adding the instructor as collaborator.

Note: instructor's github account is (nammar)

Happy coding!