COMP 307
Course Project
Due: Last day of class

Step 1: Get your team proposal accepted by the professor (No later than November 10th – bug me!)
- Team of three
- Select a team leader to communicate with the professor

Step 2: Make an appointment for your presentation (No later than November 14th – email me)
- Appointments will be scheduled backwards. I'll start scheduling from the last class.
- Each presentation must be 13 minutes long. This means a maximum of 4 presentations per class. All your team members must speak. I will stop you at the 13th minute, finished or not. You may be tempted to speak quickly – don't. Better fewer slides and slower talk. Your presentation is 10 minutes long including the demo, plus 3 minutes for questions.
- You are expected to (0) Have a title slide with your project name and your team member's names, (1) describe what your application is all about using 1 slide. (2) describe the architecture you used: one slide for front end, one slide for back end, one slide for special technology or techniques, one slide on what you learned positive, one slide on what you learned negative. (3) You must demo your application. (4) Questions.
- Diagrams are often better than text in this type of presentation.
- You must email me your presentation. I will install it on my computer so that transition between teams will be minimal.

Step 3: Start programming
- The minimum requirements for the project are: a modern website that uses a minimum of 4 Internet technologies. Examples of Internet technologies include but are not limited to: XAMPP (if you set it up on the McGill servers – not using the ones SOCS has in place, which do not count as a technology), PHP, mySQL, JSON/XML/text as one technology, HTML5+CSS+CGI as one technology, JavaScript/JavaApplets+DOM bindings as one technology, React, Java Servlets, Python/Perl/C/Bash as one technology, and socket programming. Frameworks like Slim and Bootstrap.
- If your application stack is all one language, like JavaScript, then I need to look into this carefully. Mix something into it, like SQL and HTML5.
- HTML5 means using the version 5 features, or it does not count.

Step 4: Submission
- A readme.txt file with your team member names
  - (email this to me as well so I can organize the TA grading schedule – I know yous sent me something already but do this again at the end)
- An HTML file that links directly to your website or an easy download of your application
- A ZIP of the back end source and databases/files
- A ZIP of the front end source and databases/files
- Instructions to the TA on how they can run it
- Expect the TA to contact you for a demo if they have problems running it
- All team members submit the entire project

Example good project structures:

Standard website (best learning outcome)

FRONT END	BACK END
HTML5+CSS+CGI	SQL
JavaScript	Security
	PHP or Perl or Python

Tool driven website

FRONT END	BACK END
JavaScript	NodeJS
HTML5+CSS	SQL
AJAX	Security
JQuery	

Stand-alone Social Application (no website for the user to access directly)

FRONT END	BACK END
C or Java	SQL
GUI	PHP or Perl or Python or C
Sockets	Security