CPSC 2030: The Project

# Objectives

At the end of this of lab, you should be able to:

* incorporate several web applications into a unified whole for a website
* create several login roles with the correct permissions

# Actions

The Project in a Nutshell

1. Find a non-profit organization (preferably) or some other group that needs a new website or a revamp of an existing one.
2. Determine the requirements for the new website.
3. Write up a proposal for the design and requirements for the new website. Give all the requirements and their details necessary so that both you and the client are clear of the scope and the requirements. This will form a "contract" between you and the client. The proposal should include the url of the existing website (if there is one). You will also need a signed copy of the Limited Service Agreement
4. Create a new website based on your proposal.
5. In your weekly progress report include any design decisions that you make. There must be evidence of timestamps on your work. No, you can't write them all on the last day.
6. Hand it in.

# Guidelines

* Here are some of my guidelines/requirements for the new website (I'm sure your client has others!):
* The new website should be built using a content management system, like Wordpress or Drupal
* It should contain at least 15-20 pages.
* At least 3 levels within the menu system.
* Some of the content should be made available to the general public, but some needs to be protected by a login mechanism.
* Make sure a visitor tracking system (e.g. Google Analytics) is installed and enabled.
* What about some of the other modules/items we've installed and used? Don't know. If they seem appropriate then include them and tell your client how they would be useful to them.
* Make sure your website looks good when viewed with a mobile device.
* Pictures (if any) should be downsampled and cropped appropriately to minimize download time.

# Proposal Requirements

The proposal should include:

**Web Site Client:** The person or organization for whom the web site is being created.

What is your relation to the client?

**New or Update:** Indicate whether this proposal is to create a new or updated website. Include the existing website address, if available.

**Web Site Description:** A description of the website, its objectives and scope of content. If the scope is very large, try and pick a subset of achievable objectives that could be expanded on with additional work beyond the terms of the project.

**Web Site Requirements:** A list of specific things that the client is requesting, including specific features, pictures, ideas, colours, logos, look-and-feel, menu items, etc.

* This should be substantial.

**Web Site Differentiation:** Research and review other web sites on similar topics and explain how your web site will be differentiated. Either by target audience, depth or simplicity of content, or age/demographic.

* Give a list of websites that you are comparing against.

**Web Site Domain Name:** Three desirable available and register-able Domain Names that might host this web site, if an existing one does not already exist. Use a combination of Internet searches and the services of a Domain Name registrar to find the three choices.

**Data Storage Estimate:** An estimate of how much data storage you will need for your web site including the graphics and other files you will embed in it.

**Bandwidth Estimate:** An estimate of how much band width you will need for your website.

Need better definition of bandwidth

See Felke-Morris?

Could be = Size of Page \* Page loads/month \* #views/month

**Time Estimates:** Provide an estimate of the amount of time you will be spending on the various phases of the project.

* Finding a client(For this one, the actual number rather than and estimate)
* Gathering requirements
* Preparing proposal
* Verifying requirements with client
* Designing the new website
* Implementing the first version of website
* Perform usability testing on it
* Verifying with the client
* Updating the website
* Testing the website (both Usability Heuristics and Felke-Morris' checklist)
* Preparing final deliverables

**Website Screenshots:** For an upgrade/update to an existing website, provide screenshots of the "significant" pages with evidence of what the current menu structure is.

# Client's Evaluation

* Here are the questions that I'd like you to give to your client so they can provide feedback.
* Client's name
* Website URL
* What do you like best about your new website?
* What would you like to see improved?
* On a scale of 1 to 10, where 1 is poor and 10 is excellent, please rate
  + the overall appearance (look-and-feel) of your new website
  + the overall function (what it does) of your new website
* Please submit the answers to these questions into the D2L dropbox by the final due date along with the rest of your project. If your client wants to submit feedback directly to me, then have them email it.

# Bonus Deliverable (In class presentation)

* Be prepared to present your project using the data projector at the front of the class during the final lab period. (You have about 5 minutes each)
  + Introduce yourself and your web project
  + Show off your web site, what it's about, who is the audience
  + Show off the best and perhaps unique features - 3 key pages as examples
  + 3 key things you learned from implementing the project with a client
  + What will be fixed before production launch/final submission and what you would still like to improve

# Final Deliverables

* Create a document that contains:
* A set of usernames and passwords for various roles of people who can log in. (administrator, director, member, everyone, etc.)
* The type and location of the materials that are hidden via the login mechanism. Make it easy for me to find the new stuff.
* Also, describe the type of customization that you did to the CMS. "Show me the code"
* On another page in the same document give your own evaluation of the project. First, create a table showing your project time estimates (from your proposal requirements step 9) along with time actuals. How well do they compare with your estimates? Provide a paragraph or two explaining the differences and what you would do differently on your next project with regards to timing. Second, sit back and think about your project for a moment. What do you like about your website? What do you dislike? What would still like to work on? What did you learn from doing this project?

# Deliverables and deadlines

## Proposal Deliverables (June 5th, 2017 @ 6:00pm)

* Submit to Desire2Learn your proposal
* Hand in to your instructor a signed PAPER copy of the Limited Services Agreement

## Public User feedback sessions(July 21st, 2017 all day)

## Bonus Deliverable (July 26th, 2017 @ 1:30pm)

## Final Deliverables (July 29th, 2017 @ 12:30pm)

## Submit the following to Desire2Learn before the due date

* The url for the new website (yyy.xxx.b246b.ca)
* A document containing
  + the set of usernames and passwords for various roles of people who can log in (administrator, director, member, everyone, etc.)
* your own evaluation of the project
* Client evaluation (see above)

# Useful links:

http://langara.ca/student-services/learning-commons/writing-centre/index.html