The Final Project is, for me, the most important part of this course.  Here we tie everything together. The final project site must contain a form.

**Potential Topics**

**Web Development and Digital Media Trends:**

* SEO Search Engine Optimization
* Emotional Interface Design
* Best Call to Actions
* User Badges
* Infographics
* Gesture-driven navigation
* Mobile first
* CSS Shapes
* Wearable technology
* The Internet of Things

**Web Development and Digital Media Tools:**

* Bootstrap
* Node.js
* Chrome Developer Tools
* GitHub

**Web Development and Digital Media Companies in our area**

* Any in our greater metro area, the Silicon Prairie

**Web and Technology Business Leaders**

* Ethan Marcotte, coined the term “responsive web design”
* Dave Shea, Web standards and CSS Zen Garden developer
* Molly Holzschlag, leading web standards expert
* Jenn Lukas, leading front-end developer
* Val Head, CSS innovator
* Eric Meyer, leading HTML and CSS expert
* Jeffery Zeldman, founder of A List Apart
* Luke Wroblewski, leading UX expert
* Larry Page and Sergey Brin, co-founders of Google
* Marissa Mayer, CEO of Yahoo
* Safra Catz, President & CFO of Oracle
* Ursula Burns, CEO of Xerox
* Mark Zuckerberg, co- founder of Facebook

**Web Development and Digital Media References**

* Smashing Magazine
* A List Apart

**Web Development and Digital Media Other\***

* Any topic is in the spirit of Web Development and Digital Media. The list is endless.

**Requirements for the site:**

* Minimum of 500 words per page
  + Significant content is required for a robust and well-formed web site
* All images must have alt text
  + Nor set a height and width for any images
* All assets required for the project are in the Master Files folder attached to this weeks material
* There are no written instructions so that you may work on developing appropriate HTML and CSS
  + HTML must be sematically correct
  + HTML must be correct by syntax
  + CSS must be semantically correct
  + CSS must be correct by syntax
* CSS
  + Must use an external CSS files
    - No inline CSS
    - No embedded CSS
* All paths must be accurate and appropriate
  + Paths to HTML documents
  + Paths to CSS
  + Paths to JavaScript
* Site must include a form
  + Form requirements (minimum)
    - name textfield
    - address textfield
    - email textfield
    - comment text area
    - radio group set
    - checkbox group set
* Site must be organized appropriately
  + folder for images
  + folder for css
  + folder for JavaScript
  + JavaScript must be external files
  + folder for all HTML documents except the index.html document
    - index.html document must be in the root folder
* Site must be published to your student server space
  + URL will be something like this:  http://students.jccc.edu/"your username"/"name of directory
* All file and folder names must be lowercase
  + If a file or folder name has two words use a hypen between the words; this way search engine spiders will recognize the name as two two words.
  + Example: coffee-menu.html
  + Responsive
    - Three breakpoints
    - 480px
    - 768px
    - 1140px

If you have any questions, please email or call me so I may assist you.

* Publish the site to your student server
* Zip the folder and file system together and place the zipped files and folders in the homework folder
* Test the site for correct syntax and semantic correctness
  + screen capture the results of your validation
* Give your instructor the published URL
* Include in a Master Files folder any and all documentation
  + wireframes
    - <http://webdesign.tutsplus.com/articles/a-beginners-guide-to-wireframing--webdesign-7399>
    - <http://mashable.com/2010/07/15/wireframing-tools/>
  + design patterns
    - <http://stylifyme.com/>
  + design document
    - a word docment describing the purpose and target audience of your web site
      * <http://blog.slickedit.com/2007/05/how-to-write-an-effective-design-document/>
      * <http://www.digitalvertebrae.com/webdev/index/title/Purpose%20of%20a%20Web%20Site%20Design%20Document/section/weektwo/id/22/>
      * <http://www.smashingmagazine.com/2011/06/22/following-a-web-design-process/>