**C201 Capstone Continuation Project**

The Capstone assignment that you coded for the second and final semester of your first year should now be extended to incorporate new technology you have learned. This project will require you to continue to work as a team. However, this part will be totally concentrated on the coding aspects of the project.

**TEAM DRIVE**

As team, you will need a place to keep all of your materials…

For this, you will use Google Drive > Team Drive

All materials will be placed in this drive… At the end of the project, you MUST turn in all of the code files for your project.

**WEBSITE**

Your website, by the end of this phase, will consist of HTML, CSS and JavaScript. You may have used Bootstrap and JQuery, but this part of the project requires original hand coding in JavaScript.

The following HTML pages must be included:

1. Index (Home)
2. About
3. Contact
4. Products

As previously, you should already have included, at a minimum, one CSS stylesheet. This stylesheet must consist of NO LESS than 25 unique style rules.

You must use the following JavaScript concepts in your website:

* Functions
* Event handlers
* Objects and methods
* Time-delayed and time-interval commands
* Arrays - at least one
* At least one form containing at least:
  + Regular input fields
  + Check boxes
  + Radio buttons
  + Select lists
  + Textarea control
  + Number fields
* Complete validation of all fields, including required and not required, with user friendly messages and graphics.
* A form submission function that produces a web page showing the data from the form, which will only execute if the form is completely valid.

**This will be your rubric for the code of your website:**

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| --- | --- | --- | --- | --- | --- |
| **[Group Name], Capstone Project** | | | | | |
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|  |  |  |  |  |  |
| **Teacher Name: Mr. Buckler** |  |  |  |  |  |
|  |  |  |  |  |  |
| CATEGORY | 20 | 15 | 10 | 5 | Totals |
| Functionality | All items function according to specifications. All required components work and fulfill the function. There are no errors and represents a professionally designed and built application. | Most pages function. Most buttons and links work and take the user to a relevant place within or outside the site. There are few errors and the product mirrors the quality of a budding designer with a bright future. | Some pages function. Some buttons and links work and take the user to a relevant place within or outside the site. There are some errors and the product designer needs to review best-practices. | Few pages function. Few buttons and links work and take the user to a relevant place within or outside the site. There are several errors and the product does follow outlined directions. |  |
| Documentation | The coding files are well documented with comments. This applies to all code files. Each file has substantial commenting, describing the who, what, when and why of the page. Each page has multiple, descriptive comments for each significant block of code demonstrating the developer's personal understanding of the documented segment. | The coding files are documented with comments. This applies to most code files. Each file has some commenting, describing the who, what, when and why of the page. Each page has some descriptive comments for each significant block of code. | There is some code at the beginning of the coding files. Sparse comments are inconsistently placed throughout the code and explain little in the way of what the code does, or how it functions. There is some attempt at documentation. | Few comments are incorporated. There is little attempt or effort made to document. |  |
| Formatting | The format of the code is exceptionally clean and structured in a logical way. The code is organized and has an elegant flow. The appearance is professional and is easily read by an evaluator. | The format of the code is clean and structured in a mostly logical way. The code is organized and has a clear flow. A clear effort has been made by the coder to appear professional. The code can be interpreted easily by an evaluator. | There is some attempt made by the coder to organize the content of the file. The code is choppy and does not follow a clear, logical pattern. The code is understood, with some difficulty, by an evaluator. | There is no logical formatting and no attempt has been made by the coder to do so. The evaluator has extreme difficulty understanding the organization and structure. |  |
| Technique | The developer demonstrates expert-level technique. They have gone above and beyond the instructions, and have employed coding techniques which haven't necessarily been taught. They are able to make logical, and correct decisions which make their code more efficient. | The developer demonstrates high level technique. They have adhered closely to the instructions, and have employed all taught techniques. They make decisions based on the instructions for the coding project and meet all requirements. | The developer demonstrates basic level technique. They are able to follow the instructions to the coding project, with a few mistakes. There is little creativity involved and use several taught techniques, but are clearly missing some. | The developer is not able to follow the instructions for the project and there are few or no indications of acceptable technique. |  |
| Professionalism | The developer has maintained the highest level of professionalism while working on this project. They have stayed on task and have demonstrated a clear and focused work ethic. Their conversations have been limited to programming topics and they have interacted with others in a professional way at all times. | The developer has made a clear and conscience effort to remain professional for the majority of the project duration. They have rarely had to be reminded to stay on task and are often focused for the majority of the class period. They have interacted well with others and in a professional way most of the time. | The developer has made an attempt at remaining professional, but has had to be reminded more than once to get back on task. They have had a majority of professional conversations and their interaction with others has been somewhat professional. | The developer has made no attempt to remain professional. They have needed multiple prompts by the instructor or other group members to get back on task. They have not contributed to the project in a professional way and needed at least one reminder on class professionalism. |  |
|  |  |  |  |  | 0 |
| Date Created: July 15, 2017 |  |  |  | Points Earned |
|  |  |  |  | Points Possible | 100 |

***Here is the link to the above document… please make a copy of it before you edit it.***

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| **WARNING**  Failure to make a copy of the rubric will result in others being able to edit your work. Make a copy of the rubric and save it in YOUR TEAM DRIVE prior to editing. |

<https://docs.google.com/a/west-mec.org/spreadsheets/d/1mgFYC7rj8-Ot8q_7Kl_cPi_myijnoYQ1XxCSqkrTxYU/edit?usp=sharing>

**DAILY EXPECTATIONS**

Each day will begin with a stand-up meeting. Your stand up meeting will be lead by your project manager and should outline each person’s responsibilities for the day of work. This will be recorded in the documentation at the top of the scripts of your project. There must be entries for each day of work.