**HW 3. Unstructured Data - JSON & XML**

**IS 5315**

**What to submit:** ***Upload one Word document*** to Canvas

**What to achieve:**

1. In your local system, add HW files to your git folder

cd ~/5315

explorer . **(Windows only)**

open . **(Mac only)**

# Copy and paste all HW files in your file manager – do NOT copy compressed files (i.e., zip file)

1. Update your local git repo (laptop), update your remote repo (GitHub), and update your production repo (DO server) by **GIT commands (previous HW steps 2 - 4)**
2. Test your sites and make sure it runs your new data sources

yourip/**empjson**.html

yourip/**empxml**.html

1. You need to recreate data files: empdata.json and empdata.xml. In your local system, use **Sublime Text editor** to edit your HW files
   1. Modify and replace your json file (**empdata.js**) and xml file (**empdata.xml**) with **your own data**
   2. Maintain at least 4 columns and 15 entries
   3. You can make up **your own contact list** for your imaginary customers (**or any other contents, i.e., inventory**)
   4. Modify your two html files to adopt your new data sources - **your own schema**
2. Once you edit all files, update your server repository by **GIT commands (previous HW steps 2 & 3)** and test your sites

**Note**. **Debugging tip** - whenever you have a small progress, save, update, and test your site if it works. Then, you can move on. Do NOT attempt to complete the whole project and test it first time. 99% of time, it won't work in any coding projects.

**What to Write in HW Word Document:**

1. Your Name / Your urls (web page address)
2. Screen shots of your web pages
3. Essay Questions:
   1. Discuss the three types of data: structured, unstructured, semi-structured
   2. What is XML and when do we use XML?
   3. What is JSON and when do we use JSON?
4. Copy and Paste your source code (JSON and XML files only, do NOT add html files)

## **Assignment Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Full Marks | Capstone | Milestone | Benchmark |
| Explanation of Issues | 15: Issue/problem to be considered critically is stated clearly and described comprehensively, delivering all relevant information necessary for full understanding. | 12: Issue/problem to be considered critically is stated, described, and clarified so that understanding is not seriously impeded by omissions. | 9: Issue/problem to be considered critically is stated but description leaves some terms undefined, ambiguities unexplored, boundaries undetermined, and/or backgrounds unknown. | 6: Issue/problem to be considered critically is stated without clarification or description. |
| External Sources | 10: Accesses information using effective, well-designed search strategies and most appropriate information sources. (3+ sources) | 8: Accesses information using variety of search strategies and some relevant information sources. Demonstrates ability to refine search. (2+ sources) | 6: Accesses information using simple search strategies, retrieves information from limited and similar sources. (1+ sources) | 4: Accesses information randomly, retrieves information that lacks relevance and quality. |
| IT Applicability | 15: Implements the solution in a manner that addresses thoroughly and deeply multiple contextual factors of the problem. | 12: Implements the solution in a manner that addresses multiple contextual factors of the problem in a surface manner. | 9: Implements the solution in a manner that addresses the problem but ignores relevant contextual factors. | 6: Implements the solution in a manner that does not directly addresses the problem statement. |
| Organization | 10: Organizational pattern is clearly and consistently observable and is skillful and makes the content of the presentation cohesive. | 8: Organizational pattern is clearly and consistently observable within the presentation. | 6: Organizational pattern is intermittently observable within the presentation. | 4: Organizational pattern is not observable within the presentation. |