**HW 1. Unstructured Data - JSON & XML**

**IS 5315**

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

The Instructor's choice of code editor: <https://www.sublimetext.com/3>

**What to achieve:**

1. Test your sites:

yourip/jsontable.html

yourip/xmltable.html

1. In your local system, use Sublime Text editor to edit your HW files
   1. Update your json file (empdata.js) and xml file (cd\_catalog.xml) with **your own data**
   2. You can make up your own contact list for your imaginary customers
2. Modify your two html files to adopt your new data sources - make **your own schema**
3. Once you edit all files, update your server repository by **GIT commands**
4. Test your sites and make sure it runs your new data sources

**What to Write in HW1 Word Document:**

1. Your urls (web page address)
2. Dicsuss the three types of data: structured, unstructured, semi-structured
3. What is XML and when do we use XML?
4. What is JSON and when do we use JSON?
5. Screen shots of your web page
6. Copy and Paste your source code (JSON and XML)

## **Assignment Rubric**

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