INFOST 691
Advanced Web Development Using Application Frameworks
Instructions for the Framework Evaluation Paper

Overview

Each graduate student will write a paper presenting their evaluation of the suitability of a candidate Web application framework (other than Django) for an identified set of non-functional requirements. Your paper should be about 1500 to 2000 words. In addition, you need to cite a minimum of 10 sources.

Expected Content

Most Web application frameworks can address the functional requirements of most applications. So, choosing a particular Web application framework is often based upon the extent to which a framework meets relevant non-functional requirements (https://en.wikipedia.org/wiki/Non-functional_requirement). Non-functional requirements may include:

- Usability
- Reliability
- Performance
- Supportability

Accordingly, your paper should address the following:

- What are the important non-functional requirements that you believe are most important when choosing a Web application framework for your circumstances? You might base this list on your current work environment or on some hypothetical work environment. In any case, describe the work environment and why these non-functional requirements are important.
- Identify a reasonable candidate Web application framework for evaluation.
- Discuss the suitability of the candidate Web application framework in light of the evidence and opinions that you found during your research.
- Present an overall conclusion regarding the suitability of this Web application framework to the work environment that you described.

Length and Style

The length of your paper should be 1,500 to 2,000 words. It should be a typewritten document that is either single or double-spaced. Please follow normal writing conventions for graduate student papers. Your document should be well-organized. Your language should be well-chosen. Please pay attention to the rules of proper grammar, spelling and punctuation. You must use one of the accepted citation and reference styles (APA, MLA, etc.).

Sources

Your paper should cite at least 10 different sources. While these sources should be authoritative, they need not be published articles from scholarly or scientific journals. Often, when evaluating Web application frameworks, you will need to sort through conflicting opinions in promotional material, blogs, forums, etc. Even articles published in trade publications may present obvious opinion without much justification. Your job is to sort through these potentially conflicting claims as best you can, presenting your conclusion, while giving a fair account of the diversity of opinion that you encountered.

As indicated above, citation and reference should follow one of the accepted styles (APA, MLA, etc.).

Format

Submit 1 PDF document.

File Naming Conventions

The name of the file which you submit should be consistent with the following model:

lastName_firstName_framework_evaluation_paper.pdf

Submission Deadline

The submission deadline and dropbox to which the assignment should be submitted will be indicated in the Weekly Schedule.

Grading

A separate grading rubric document will be posted to the Weekly Schedule.