Project
Stage 3. The Final Frontier

Due date: Thursday, Tuesday, December 4, 10:10am (final exam time)

Project Completion Insrtuctions

This document outlines the instructions for the final stage of the course project, as well as the final deliverables.

Each group shall

- Complete the software development part of the project, and test the developed code.
- Complete the project report document and submit it prior to the final exam time.
- Meet with the instructor for a short demo of the project.
- Give a 30-minute presentation/demo of the project to the entire class during the final exam time.

Each of the deliverables is addressed in turn below.

Code

Effective coding for your project shall be complete by the end of the regular classes, to ensure timely demonstation for the instructor (which has to occur prior to the exam time — see below).

You shall make every attempt to complete the code as specified in the original proposal. Any deviations and/or changes in the design shall be stated explicitly in documentation accompanying your project (mainly, in the project report).

Demo for the Instructor

Each team shall meet with the instructor for about 30-40 minutes during the last week of classes for a short demo of the completed project. It is preferable that all team members attend the meeting, however, if scheduling issues do not permit it, attendance will not be required. The time and location of the meeting are subject to individual negitiation between the instructor and each team. The demo can be presented in the instructor's office, in any of the Computer Science labs using lab workstations (as long as we are not causing a nuisance for the other folks in the lab). Alternatively, personal laptops can be used to demonstate the project.

Please note the following: for personal reasons, I will be **out of town** on November 30 (Friday), and, possibly, on December 1 (Saturday). Also, my availability on Monday, December 3 may be limited, and scheduling demos for that date shall be done only as the last resort. Therefore, any demos should realistically be taking place on Thursday, November 29 (office hours after the class, and any time after 4:30pm), or on Wednsday, November 28.

Project Report Document

All your project reports will be released as CS Department technical reports[1].

Tech. report numbers will be given to you before the submission is due, and should be incorporated into the front page of the reports.

Because of this, please ensure that your reports are coherent, proof-read, and well-written.

The reports shall contain the following information:

- *Title, author information.*
- *Abstract:* a brief description of the project and accomplishments.
- *Introduction:* motivation for the project, brief description of it and the accomplishments, outline of the rest of the report.
- *Background/Related work:* any background information necessary for the reader to understand the contributions of your project. Any relevant related work.
- *Design:* description of the project design, architecture, algorithms developed/used. Outline the role of XML and XQuery/XPath in the project.
- *Implementation:* description of the actual implementation, APIs, specific application details, etc. Notes on any diversions from the original

[1] I believe that all four projects contain interesting material and would like to have official archival reports on each available

design and any features from the design that have not been implemented. Specific information about the use of XML/XQuery/XPath in the implementation.

- *Testing/Evaluation:* description of testing and evaluation efforts in the project. (the exact size of this section may depend on how much you were able to test, and on the specifics of your project).
- *Future work:* describe any future work (design features that were not implemented, possible extensions, etc) for your project.
- *Bibliography:* full academic citations for all sources used in the report.
- *Appendix A: XQuery/XQPath use:* show some examples of XQuery/XPath queries used in your project.
- *Appendix B: Data* include small samples of XML data files (and any DTDs/schemas) you used in the project.
- *Appendix C:* (optional) additional screenshots, graphs, samples of data, any other supplemental information that may be useful for the reader.

The deadline for report submission is **Monday, December 3, 5:00pm**. Submit a soft copy (PDF) in an email, or post it on the group's web page, and inform me of the posting. Bring a hard-copy with you to the final exam.

Project Presentation

We will use our allotted final exam time for group presentations about the projects. Given the time allotted for the final exam (10:10am — 1:00pm), each group has **25-30 mins** of pure presentation time (not counting questions and setup). In addition, we can have up to 10 mins of discussion. I encourage everyone to ask questions and engage in the discussion of each project.

Each presentation shall consists of the oral presentation using some form of audio-visual technology (read: slides), and a short demo of the application. The exact format of the presenation (how many people speak, when the demo is shown, etc...) is left up to individual groups. I encourage each group to do at least on test run.

Each team is responsible for ensuring that their demos/presentations will run smoothly during the final exam time. This means either ensuring that all necessary software/files are loaded onto the instructor's laptop, or bringing and using your own laptop(s) for the presentation.

The presenation must contain motivation for the project, any background information, description of the design, discussion of implementation history and implementation decisions made during different stages, description of the architechture, and any information about testing and evaluation. Any omissions from the original design, and any future work on extending the project should be discussed as well.

Deliverables

There are three main physical deliverables:

- Project report.
- Project code.
- Presentation slides/files.

All three deliverables must be available for download by the beginning of the final exam on December 4.

Additionally, any data format specifications and specific data/configuration files used by your project shall also be made available, although they will not be graded.

Project grading

The project will be graded based on the following categories:

1. **Actual accomplishment.** Evaluation will be based on the demos, and on comparing the original design with what was actually accomplished. This component shall weigh no less than 50% of the total project grade.
2. **Project report.** Quality of writing, and content w.r.t. required information will be evaluated separately from the actual project accomplishment. This component shall weigh between 20% and 30% of the total project grade.
3. **Final presenation.** Quality and cohesivness of the final project presentation will be evaluated separately from the actual project accomplishment. This componet shall weigh about 10-20% of the final grade.
4. **Proposal and Stage 2 report.** The grades from the early stages (if higher than the grade for the actual accomplishment). Can weigh up to 10-20%, will be used as needed.