

CSE3026: Web Application Development

Project: Develop Your Own Web Application

Scott Uk-Jin Lee

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Introduction

CSE3026: Web Application Development - Project

- Topic: a useful Web application of your choice
- Scope: educational application for Dept. of CSE at HYU
- Type: group project - 4 ~ 5 people in a group
- Duration: the entire 2nd semester
- Deliverables: implementation + presentation + report
- Counts towards 30% of the final course grade

Description

Your Own Web Application

1. Investigate and select a problem or an inconvenience that you've experienced in using a web application. For example (in the context of CSE3026 web page):
 - login access for course web page
 - standalone lab submission system or course forum
 - interactive Q&A system for the lecture
 - screen or desktop share system for the lecture
2. Do background researches and literature reviews in the related area.
3. Design a standalone Web application of your choice that can solve/improve the select problem/inconvenience.
4. Implement the Web Application according to your design.
5. Present your design and complete solution & Write project completion report.

Requirements & Marking Scheme

Topic Selection & Web Application Design [5%]

- should be able to convince others that the selected topic really is a problem or causes inconvenience
- designed Web application must be useful, valid, and feasible solution to the identified problem
- designed Web application should be original, novel, and innovative

Requirements & Marking Scheme

Implementation [15%]

- both client and server-side implementations of the designed Web application must be completed
- the designed Web application must be implemented with the proper and valid use of:
 - HTML5, CSS3, Page layout, PHP, JavaScript, DOM, Prototype, Events
 - & optionally - RDB, SQL, Ajax, XML, JSON, Scriptaculous
- only completed and working part of the implementation will be considered
- you are more than welcome to use more advanced technologies

Requirements & Marking Scheme

Presentation [5%]

- total 15 minutes: 10 minute presentation + 5 minute Q&A
- present the selected topic & implemented Web application in terms of significance, originality, novelty, purpose, and innovative nature
- briefly describe design and technologies used to implement Web application
- demonstrate your web application
- focus on usefulness of your Web application & effectiveness, efficiencies, and other benefits it will provide

Requirements & Marking Scheme

Rreport [5%]

- Project report should be written and submitted upon project completion. It should be more than 5 pages, single spaced 11/12pt, and with the following sections :
 - Abstract: use no more than 100 words to describe your web application
 - Problem specification: describe the selected topic in detail (what & why) with examples and case-studies if necessary
 - Web Application Design and Implementation: describe Web application design and implementation in detail (design, architecture, functionalities, etc)
 - Conclusion : restate the problem and its significance & write down the possible contributions of your proposed solution

Requirements & Marking Scheme

Plagiarism

- Plagiarism is **serious criminal offence!**
 - Do NOT copy and paste other's code segments in your implementation!
 - Do NOT use online contents (e.g., image) without authorization
 - Quote where a sentence or part of a sentence of others are directly used in your report - use references and quotes appropriately
 - **Offenders will be heavily punished and receive 'F' for this course**

Important Dates

- Project Group Formation: 16 September
- Project Discussion & Advices: 21 October (tentative!)
- Project Presentation: 16/17 December (tentative!)
- Project Implementation and Report Submission: 16 December (tentative!)