

Web Technologies – OEE (Open Ended Experiment)

Goal

The goal of the project is to develop an original website with innovative and creative features incorporating all the concepts and technologies. The end result should be a functioning application that runs on the web and that uses your database to allow useful functionality.

Course Honesty

All work that you do toward fulfillment of this OEE expectation must be your own. Viewing or copying another team's work or lifting material from a book, magazine, website, or other source - even in part - and presenting it as your own constitutes course dishonesty, as does showing or giving your work, even in part, to another team. Nor you may not submit other solution or make available your solution to others.

You are welcome to discuss the OEE project problem with classmates/others in order to better understand it, but you may not share code. You may also turn to the Web for instruction beyond the course's lectures, for references, and for solutions to technical difficulties, but not for outright solutions to problems on project. However, failure to cite (as with comments) the origin of any code or technique that you do discover outside of the course's lectures (even while respecting these constraints) and then integrate into your own work may be considered course dishonesty.

Marks [30]

Your code (HTML, XHTML, CSS, JavaScript, Perl/CGI, PHP, MySQL, and XML) will be evaluated along the following axes.

Correctness: To what extent is your code consistent with customer specifications and free of bugs?

Design: To what extent is your code written well (*i.e.*, clearly, efficiently, elegantly, and/or logically)?

Style: To what extent is your code readable (*i.e.*, commented and indented with variables aptly named)?

Project Ideas

These ideas are just a sample. You are free to propose your own ideas. Realize that the ideas below are not complete descriptions. You need to work on them more and develop your project more concretely and in more detail. Do not get intimidated by the examples that are linked from this web page. These examples are meant to give you a feel for the application domain. It is up to you to narrowly define the scope of the application within the time frame of open ended experiment. Your site should perform rigorous error-checking. Do not forget that you are supposed to have fun!

1] Bibliography: Develop a site that will improve a research group's ability to track its publications and publications of interest to the group. Track information such as papers, authors, projects, conferences and journals. Readers should be able to view chronological listings, find papers by certain authors, group by projects, recover lists of papers based on keywords, etc. It should be easy for group members to add new papers, both written by the group and published by others in the literature. Examples of such systems include [Connotea](#) and [CiteULike](#).

2] Movies: There are several excellent movie resources on the web, such as the [hollywood.com movies site](#) or the [Internet Movie Database](#). You could model entities such as movies, their actors, directors, genres, playing times, and reviews. There are several sources on the web from which you could get data to populate such a database. You can support various queries such as finding specific playing times, finding movies playing where directed by a given director. You can also support updates to the reviews section of the database (e.g., viewers giving their own opinions). Another functionality is to provide personal profiles of people (*i.e.*, the movies they like) and then try to recommend movies to them based on profiles of viewers with similar tastes.

3] Census: Can you make a census data dissemination system for the [Census India](#) or [Census Bureau](#)? A census gathers data about people, business, geographic regions, etc. Different types of users need to gain different types of answers from the data. Homeowners want to know statistics about their region, such as crime rates. Business owners want to find holes in the competition. Government decision makers want to learn about demographic trends, and where to focus resources.

Technical Requirements

- Your PHP must be extensively commented.
- You may use any editor to generate HTML/XHTML and/or CSS that you would like to use in your site.
- If you integrate third-party CSS or JavaScript libraries into your project, cite their origin with comments.
- If you incorporate or adapt snippets of PHP code from the Web into your project, cite the code's origins with comments.
- If you incorporate images from the Web into your project, cite the images with comments.

Submission

Deadline is 02/05/2011.

Team Organization

You are organized into teams (2 people).

A1 Batch → (1,18) , (2,19) , (3,20) , (4,21) , (5,22) , (6,23) , (7,24) , (8,25) , (9,26) , (10,27) , (11,28) , (12, 29) , (13,30) , (14,32) , (15,33) , (16,34) , (17,35)

A2 Batch → (36,53) , (37,54) , (38,55) , (39,56) , (40,57) , (41,58) , (42,59) , (43,60) , (44,61) , (45,62) , (46,63) , (47,64) , (48,65) , (49,66) , (50,67) , (51,68) , (52,69,70)

B1 Batch → (81,99) , (82,100) , (83,101) , (85,102) , (86,103) , (87,104) , (88,105) , (89,106) , (90,107) , (91,108) , (92,109) , (93,110) , (94,111) , (95,112) , (96,113) , (97,114) , (98,115)

B2 Batch → (116,132) , (117,133) , (118,134) , (119,135) , (120,136) , (121,137) , (122,138) , (123,139) , (124,140) , (125,141) , (126,142) , (127,143) , (128,144) , (129,145) , (130,146) , (131,147)

Note: Roll No. 31 and 84 numbers are not included due to consistent absenteeism.

You are expected to meet the Course Coordinator.

Documented date: 11/04/2011.