Overview

For the next four (4) weeks, you will work in a group of 3-4 people to build a website using the technologies we've covered during the semester. See the following requirements your project must include:

- MySQL databases and SQL queries to retrieve the contents from the databases.
- Frontend components built using HTML, CSS, and JavaScript.
- Backend web service components implementing SOAP or REST API's connecting with both Frontend components and MySQL databases.

All components listed above **MUST** work together (i.e., a user just needs to access Frontend components to take full advantage of all functionalities built for the website.)

Lab #4: Project Proposal
Due: 11:59pm ET Sunday, November 26

A project proposal is a 1-2 page document that describes the full functionalities of a website you and your team intend to build. Describe what features your website will support, and what technologies will be used to support them. Listing out the l technologies is **NOT** enough; explain how the technologies will be used together to support the features in detail.

Grading Criteria	Description	Total Points	Breakdowns
Proposal Write-up	A document that does **NOT** exceed 2 pages describing the project per the prompt above; **one (1) person from the team must submit a write-up.**	80pts	A: 80pts B: 72pts C: 64pts
Peer Review	Evaluation by the team members in the scale of 0 to 10 across two (2) dimensions: Participation and Quality; **everyone** must submit a peer review.	20pts	N/A

Final Project
Website Codes & Databases, Documentation Due: 11:59pm ET Friday, December 8
Peer Review Due: 9:00am ET Saturday, December 16

The final project consists of four (4) parts: the website codes & databases, documentation, peer review, and presentation. The website codes & databases and documentation must be submitted by 11:59pm ET Friday, December 8; the website is expected to be built per the proposal you submitted. On Saturday, December 16, each team will deliver 10-15 minute presentation; before the presentation, you must submit a peer review.

Grading Criteria	Description	Total Points	Breakdowns
Technical Breadth & Functionality	Breadth of the technologies used to build a website and the complexity of the functionalities supported; **one (1) person from the team** must submit a zip file compressing every file.	40pts	A: 40pts B: 36pts C: 32pts
Documentation	A 1-page document explaining how all the codes and databases submitted should be set up to run a website locally; **one (1) person from the team** must submit a documentation.	20pts	A: 20pts B: 18pts C: 16pts
Peer Review	Evaluation by the team members in the scale of 0 to 10 across two (2) dimensions: Participation and Quality; **everyone** must submit a peer review.	20pts	N/A
Presentation	A 10-15 minute presentation delivered as a team; a presentation must include 1) the description of the project, 2) live demo, and 3) how various technologies come together.	20pts	A: 20pts B: 18pts C: 16pts

Appendix: Grading Breakdown

- Any grading criteria that are broken down into A, B, C will be gradated as following: the top 25% of the team will receive A, the middle 50% will receive B, and the bottom 25% will receive C. You may receive different letter grades per respective criteria; every member in the same team will receive the same grade.
- A grading criterion marked as "Peer Review" will be graded as an average of peer review scores you received from the teammates. When evaluating the teammates, you will assign unique scores between zero (0) and ten (10) across different team members.