CS 360: Database Systems
Department of Computer Science
University of Idaho

CS 360: Database Systems (Lab) Syllabus

Lab Room: JEB 331

Lab Instructor: Mahib Ornob   Email: ornob@uidaho.edu

Lab Points (CS 360 Lab): Pass/Fail – Passing requires scoring 75% overall in lab (Attendance – 15% (no unexcused absences), Assignments (5) – 35%, Project Demo Presentation – 50%)

1. Jan 21 or 23: Introduction to Full Stack Development
        Overview of client-side and server-side technologies
        Introduction to XAMPP and phpMyAdmin,
        Introduction to HTML

2. Jan 28 or 30: Introduction to CSS
        CSS selectors, properties, and layouts

Lab assignment 1: Due before February 4 or 6

3. Feb 4 or 6: Introduction to JavaScript
        JavaScript - Syntax, Variables, Functions etc.

4. Feb 11 or 13: Introduction to Bootstrap
        Bootstrap – Containers, Grid, Colors, Cards, etc.

Lab assignment 2: Due before February 18 or 20

5. Feb 18 or 20: Introduction to PHP
        PHP – Syntax, Comments, Echo/Print, Data Types, Loop, Function etc.

6. Feb 25 or 27: Handling HTML form with PHP
        PHP - Capturing form, data dealing with multi-value filed, and generating a form
        after submission

Lab assignment 3: Due before March 4 or 6

7. Mar 4 or 6: **Project Demo – Presentation 1** (30% weight)
        [100% complete interface with database design]

8. Mar 11 or 13: Introduction to PHP
        Laravel, Laravel – MVC, Laravel – Routing, Middleware, .htaccess file.

9. Mar 18 or 20: Design and adding data to DBs, connecting to the database using PHP and Laravel.

Lab assignment 4: Due before March 25 or 27

10. Mar 25 or 27: **Project Demo – Presentation 2** (30% weight)
    [75% functional project]

11. Apr 1 or 3: User registration and Login using Laravel
    Basic page development – home page, terms of use page etc.

12. Apr 8 or 10: Introduction to Version Control
    GIT, SourceTree, GitHub, etc.

Lab assignment 5: Due before April 15 or 17

13. Apr 15 or 17: Introduction to Project management tool and their uses
    project deployment into server

14. Apr 22 or 24: **Project Demo – Presentation 3** (40% weight)
    [100% functional project]