SJSU SAN JOSÉ STATE UNIVERSITY

College of Science · Computer Science

Server-side Web Programming Section 02

CS 174

Spring 2024 3 Unit(s) 01/24/2024 to 05/13/2024 Modified 01/23/2024

Contact Information

Instructor: Quang Duy Tran

Email: quangduy.tran@sjsu.edu

Office Hours

Monday, Wednesday, 1:45 PM to 2:45 PM

Zoom: https://sjsu.zoom.us/j/82794473985 -- Pwd: 031066

Course Information

Course Description and Requisites

Development and deployment of multi-tier web-based applications. Introduction to HTML, XML, enterprise design patterns, web services and database access.

Prerequisite: CS 46B (with a grade of "C-" or better); Allowed Majors: Computer Science or Software Engineering Majors.

Letter Graded

Classroom Protocols

• **Cheating** will not be tolerated.
• Student must be respectful of the instructor and other students. For example, Disruptive or annoying talking.
• Turn off cell phones
• Class begins on time
• No make-up exams will be held

Program Information

Diversity Statement - At SJSU, it is important to create a safe learning environment where we can explore, learn, and grow together. We strive to build a diverse, equitable, inclusive culture that values, encourages, and supports students from all backgrounds and experiences.

Course Learning Outcomes (CLOs)

1. Write HTML documents containing standard HTML elements including forms, tables, client-side scripts, and server-side scripts.
2. Write server-side scripts that process HTML forms.
3. Write client-side scripts that validate HTML forms.
4. Develop and deploy web applications that involve components, web services, and databases.

Course Materials

There are no required books for this class. All the necessary material will be available on the class Canvas web page.

Course Requirements and Assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of 45 hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in University Policy S12-3 at http://www.sjsu.edu/senate/docs/S12-3.pdf.

Homework, Midterm and Final exam are expected for this class. Homework is due on Canvas by class starting time on the due date. Each assigned problem requires a solution and an explanation (or work) detailing how you arrived at your solution. Cite any outside sources used to solve a problem. When grading an assignment, I may ask for additional information.

NOTE that University policy F69-24 at http://www.sjsu.edu/senate/docs/F69-24.pdf states that “Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading.”

Grading Information

Criteria

Assignments	25%
Midterm 1	25%
Midterm 2	25%
Final Exam	25%

Breakdown

No make-up tests or quizzes will be given and no late homework (or other work) will be accepted. Also, in-class work must be completed in the section that you are enrolled in.

Grade	Percentage
A	92 and above
A-	90 - 91
B+	88-89
B	82-87
B-	80-81
C+	78-79
C	72-77
C-	70-71
D+	68-69
D	62-67
D-	60-61
F	59 and below

University Policies

Per University Policy S16-9 (PDF) (http://www.sjsu.edu/senate/docs/S16-9.pdf), relevant university policy concerning all courses, such as student responsibilities, academic integrity, accommodations, dropping and adding, consent for recording of class, etc. and available student services (e.g. learning assistance,

counseling, and other resources) are listed on the Syllabus Information (https://www.sjsu.edu/curriculum/courses/syllabus-info.php) web page. Make sure to visit this page to review and be aware of these university policies and resources.

Course Schedule

This schedule is subject to change. Any change will be communicated via Canvas with fair notice.

Week	Date	Topics, Readings, Assignments
1	01/24	Introduction
2	01/29	Setting up a Development Server
2	01/31	Introduction to PHP
3	02/05	Introduction to PHP
3	02/07	Expressions and Control Flow in PHP
4	02/12	Expressions and Control Flow in PHP
4	02/14	Expressions and Control Flow in PHP
5	02/19	Recap
5	**02/21**	**Midterm 1**
6	02/26	Introduction to MySQL
6	02/28	Introduction to MySQL
7	03/04	Accessing MySQL using PHP
7	03/06	Accessing MySQL using PHP
8	03/11	Accessing MySQL using PHP
8	03/13	Accessing MySQL using PHP
9	03/18	Accessing MySQL using PHP
9	03/20	Form Handling
10	03/25	Form Handling
10	03/27	Form Handling

11	04/01	Spring Break
11	04/03	Spring Break
12	04/08	Cookies, Sessions and Authentication
12	04/10	Cookies, Sessions and Authentication
13	04/15	Recap
13	04/17	Midterm 2
14	04/22	Introduction to JavaScript
14	04/24	Introduction to JavaScript
15	04/29	Expressions and Control Flow in JavaScript
15	05/01	JavaScript Functions, Objects and Arrays
16	05/06	JavaScript Functions, Objects and Arrays
16	05/08	Client and Server-side Validation
17	05/13	Recap
17	05/21	Final Exam - Project Submission - Due 11:59 PM