

TCSS 460: Client/Server Programming For Internet Applications

School of Engineering and Technology

University of Washington Tacoma

Spring 2026

Professor: Charles Bryan

Welcome to TCSS 460. This course takes you from zero web development experience to building and deploying a full-stack application: PostgreSQL database, Express/TypeScript API, and Next.js front-end.

Quick Links

- [Canvas](#) – Grades, quizzes, and announcements
 - [Syllabus](#) – Course policies, grading, and schedule
 - [Week 1 Readings](#) – Start here
 - [AI Diary](#) – Start this Week 1
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Weekly Overview

Week	Dates	Lecture Focus	Quiz	Check-Off	Sprint
1	Mar 31 – Apr 4	Express basics, HTTP methods, params, body	Quiz 1	–	–
2	Apr 7 – Apr 11	API testing, Middleware	Quiz 2	Running Web API + API Testing	Sprint 0

Week	Dates	Lecture Focus	Quiz	Check-Off	Sprint
3	Apr 14 – Apr 18	Proxy pattern, DB + Prisma intro	Quiz 3	Proxy API	Sprint 1
4	Apr 21 – Apr 25	Prisma deep dive, migrations	Quiz 4	Prisma Intro	Sprint 2
5	Apr 28 – May 2	Auth concepts, auth-squared	Quiz 5	Auth-Squared	Sprint 3
6	May 5 – May 9	Evolution of web, HTML/React crash course	Quiz 6	React Tutorial	Sprint 4
7	May 12 – May 16	OAuth2, NextAuth	–	Next.js Foundations	Sprint 5
8	May 19 – May 23	OAuth2, NextAuth	Quiz 8	–	Sprint 6
9	May 24 – May 30	FE patterns, accessibility, performance	Quiz 9	–	Sprint 7
10	May 31 – Jun 6	–	–	–	Sprint 8
Finals	Jun 9 – Jun 11	Reflection			

All coursework is due Sunday at 11:59 PM at the end of the listed week, unless otherwise stated.

Course Structure

50% Group Project – A full-stack web application built in 9 sprints (Sprint 0–8) over the quarter. Back-end (Weeks 3–6) followed by front-end (Weeks 7–10).

25% Check-Off Assignments – Individual exercises that verify your understanding of key tools and concepts. Demonstrated to a peer.

20% Reading Quizzes – Weekly Canvas quizzes (Weeks 1–6, 8, 9) based on concept readings. Open-note, two attempts, lowest dropped.

5% AI Diary – A weekly log of how you use AI coding tools, submitted during finals week.

About This Site

This site was created with [SET Course Forge](#) and built through collaboration between the course instructor and [Claude](#), an AI assistant by Anthropic. Claude assisted with content development, organization, and site structure while the instructor provided domain expertise, pedagogical direction, and editorial oversight.