Boston University Department of Computer Science
CAS CS 392: Web Application Development
Summer 2025 Syllabus

Description

Web Application Development is a comprehensive course empowering students to build dynamic web apps. Through hands-on projects, they learn essential code management with Git/GitHub, frontend languages like HTML/CSS, and interactive app development with JavaScript. React is introduced to simplify UI creation and promote code reusability. Students explore industry-standard tools like Next.js for efficient API handling and Vercel for deployment. MongoDB ensures secure data storage. Advanced topics include React Native with GraphQL/Apollo for mobile app development. Graduates master full-stack development and deployment. (*Undergraduate Prerequisites: CAS CS 111, CAS CS 112, and CAS CS 210; or consent of instructor*).

Teaching Staff

Lectures:

Taymaz Davoodi, ***Lecturer*** (tdavoodi@bu.edu, CDS-924)

Discussions:

Lamar Alsubhi, ***Undergrad Teaching Assistant*** (lamarma@bu.edu)

Meeting Times and Places

Lecture/Discussions:

B1: Mon-Tue-Wed-Thu 1:00 – 3:00 PM at MCS-B37.

Office Hours

See the "**Course Calendar**" under Blackboard >> Documents.

Discussions

CS 39 includes 13 Discussion sessions.

- A task is assigned and its due it the same session.

Late assignment submission:

There will be a **10% deduction** for assignments that are up to 24 hours late. We will not accept any assignment that is more than 24 hours late. Plan your time carefully, and don't wait until the last minute to begin an assignment. Starting early will give you ample time to ask questions and obtain assistance from members of the course staff.

Final Project

The final project is due on **Thursday, August 7, 2025,** and includes two components:

1. A web-app built by a group over the course of the semester, with **individual contributions**.
2. A short presentation of the web-app to the rest of the class. You will present your project to your peers on **Thursday, August 7th.**

Course Grade

Weights (%)		Points
30	Quizzes (5)	30 x 4 = 120
20	Mini-Projects (5)	20 x 4 = 80
10	Attendance	24 Days est.
20	Final Project	100
20	Discussions (18)	15 x 10 = 150
100		**464**

Course Material

Set-up a **GitHub** account with your **BU-email**

Set-up a **Vercel** account and connect your GitHub account to it.

Gradescope for Assignment Submissions

Piazza for Class Communications

Collaboration Policy

Unless otherwise stated, collaboration among students is prohibited. It is okay to study with a friend or classmate for quizzes and exams, and you may discuss ideas and approaches with others; however, when submitting your assignments, you must acknowledge any collaboration and ensure that the actual solutions are completed individually. Discussions should be kept at a high level without sharing specific solution details or other types of answers.

AI Policy

If your assignment solutions include AI-generated content or concepts not covered in the lectures, you will be required to explain your work to the instructor. If your explanations were not satisfactory, you will receive a grade of zero for that assignment. Repeated violations will lead to disciplinary actions, up to and including expulsion.

Academic Misconduct

Familiarize yourself with BU's Academic Conduct Code:
http://www.bu.edu/academics/policies/academic-conduct-code

Prohibited behaviors include:

- copying all or part of someone else's work, even if you subsequently modify it; this includes cases in which someone tells you what you should write for your solution
- viewing all or part of someone else's work (with the exception of any work that you and your partner do together on a pair-optional problem)
- showing all or part of your work to another student (with the exception of any work that you and your partner do together on a pair-optional problem)
- consulting solutions from past semesters, or those found online or in books
- posting your work where others can view it (e.g., online).
- changing/updating your work after due-date/before grading.

Incidents of academic misconduct will be reported to the Academic Conduct Committee (ACC). The ACC may suspend/expel students found guilty of misconduct. ***At a minimum, students who engage in misconduct will have their final grade reduced by one partial letter grade (e.g., from a B to a B-).***

Other Policies

- You are responsible for reading course-related emails from the instructor and teaching fellow, which will be sent to your bu.edu email address through **Blackboard**.
- Use laptops and other devices for notetaking, polling, and coding only.

Note:

This syllabus is subject to change. Any modifications will be communicated through course-related announcements and emails.