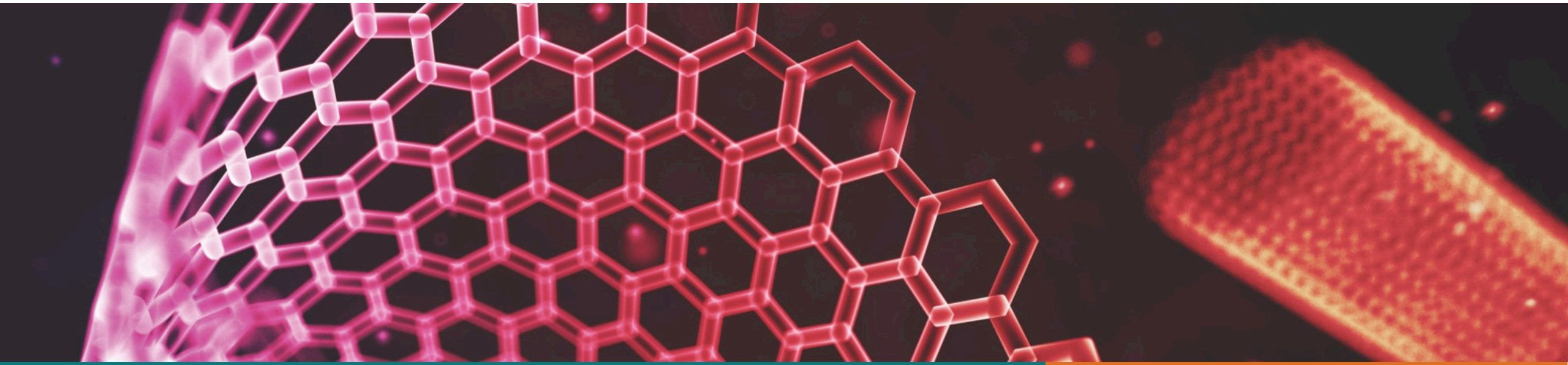# CS 546 – Web Programming I
Final Project Submission & Presentation

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Final Project Code

Each group will provide a copy of their final project's code, and a database seed task. I will be doing an intensive review of the following aspects of your final project:

- Code Quality

- Use of Client-Side JavaScript

- Use of Server-Side JavaScript

- Use of MongoDB

- Project Goals delivered

- Security measures

- Use of valid HTML and CSS

- Accessibility

Project Requirements Recap

For the final project, your application must implement **all** of the following:

- A user login system.

- AJAX form submissions (at least one) and error checking.

- Data-related code organized in modules.

- Use of a MongoDB Database.

- Basic defense against XSS attacks.

- Use of client-side JavaScript

- All error handling

- **You will need to validate your user's input in 3 places. On the client-side (to avoid unnecessary requests to the server), in your routes and in your DB functions. (points will be deducted per route that does not have proper input validation in all three places)**

Final Project Code Submission

You will submit a zip archive that contains:

- The directory with the final project.

- A readme describing how to setup and use your project as well as a link to your GitHub repo (if it has changed since your project proposal).

- A seed task to seed your database with relevant data.

Final Project Presentation

All students will submit a video file (or link to file) on Canvas for their final project presentation.

You will give a presentation demonstrating your product and discussing its technical background.

This is basically just a screencast of one of your group members going through your product and demonstrate it in its entirety; all deliverable goals, the entire process of using it, and so on. You will discuss any outside code that you used (i.e., frontend frameworks and libraries), as well as why you used said technologies.

This video should be 10 to 15 minutes long.

You will lose points if the presentation is under 10 minutes.