Course Syllabus: Web Development Capstone - Full Stack Project

Description of Course:

This course is designed to provide hands-on experience in full stack web development. Students will work on creating a complete web application, from front-end design to back-end development, deploying it to a cloud server.

Instructor and Contact Information:

Prof. John Smith

Email: johnsmith@university.edu

Office Hours: Tuesdays 3-5 PM (Online)

Assignment Schedule:

- Week 1: Introduction to Full Stack Development & Project Planning

- Week 2: Front-End Design (HTML/CSS/JavaScript)

- Week 3: Back-End Development (Node.js/Express)

- Week 4: Database Integration (MongoDB)

- Week 5: Authentication & Security

- Week 6: Deployment to Cloud (AWS/Heroku)

- Week 7: Final Presentation & Application Demo

Grading Policy:

- Project Proposal: 15%

- Front-End Design: 25%

- Back-End Development: 25%

- Final Application & Presentation: 35%

Required Readings/Resources:

- Eloquent JavaScript by Marijn Haverbeke

- You Dont Know JS by Kyle Simpson

- Online resources: MDN Web Docs, W3Schools

Final Project Submission:

Due Date: The final application, along with a demonstration video, is due on Week 7. A detailed project report should be submitted, covering all stages of development.