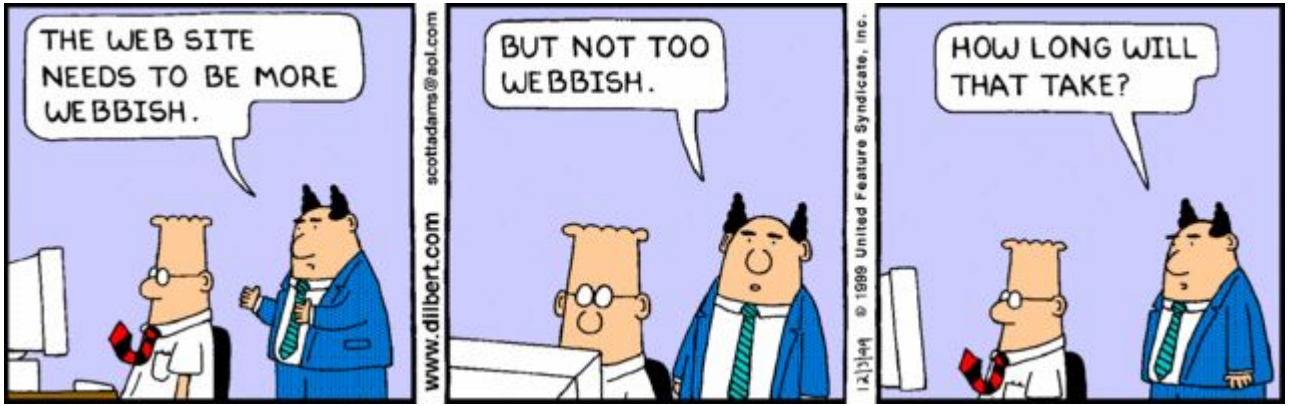

CSc 337
Web Programing
Course Intro

Benjamin Dicken

Welcome to CSc 337

- This is CSc 337 - Web Programing
- Want to learn how to build web applications?

    . . . You’re in the right class!

Who is this guy?

- Benjamin Dicken (Instructor of record)
  - Office: Gould-Simpson 850
  - Email: bddicken@arizona.edu
  - Online Office Hours
    - Check the class website for the times!
    - Or by appointment (send mail)

Teaching Assistants (TAs)

- See the course website
- The TAs are responsible for
  - Helping *you* via office hours
  - Answering questions on Discord
  - Grading Assignments and Exams
- . . . So get to know them!

https://benjdd.com/courses/cs337/spring-2023

What will you learn?

- How to build ***web applications***!
- HTML, CSS, Javascript
- Will discuss many things, such as
  - HTTP / HTTPS
  - What are web browsers?
  - Frontend web programming (in the browser)
  - Backend web programming (on the server)
  - Client / Server
  - Security issues
  - Designing for mobile

Prerequisites

- Should have had at least one intro programming course
- CS 110, ECE 175, ISTA 130, etc
- In other words, you should have masters of the basic building blocks of programming, such as ***variables***, ***if-statements***, ***while loops***, ***for loops***, ***functions***, ***parameters***, ***lists*** (or ***arrays***), and ***dictionaries***.
- If you aren't familiar with one or more of these, you should let me know ASAP

Answer these questions

- As a group, try to answer these questions
  - Who created HTML?
  - Who created CSS?
  - Who created Javascript?

Answer these questions

- As a group, try to answer these questions
  - Who created HTML?

    Tim Berners-Lee
  - Who created CSS?
  - Who created Javascript?

Answer these questions

- As a group, try to answer these questions
  - Who created HTML?
    Tim Berners-Lee
  - Who created CSS?
    Håkon Wium Lie
  - Who created Javascript?

Answer these questions

- As a group, try to answer these questions
    - Who created HTML?
      Tim Berners-Lee
    - Who created CSS?
      Håkon Wium Lie
    - Who created Javascript?
      Brendan Eich

Class Website

http://benjdd.com/courses/cs337/spring-2023/

Is there a textbook?

- There will be assigned readings, but no textbook
- This is a WEB programming class, so most of the readings will be, well, on the WEB

What contributes to your grade?

- Exams
- Programming Assignments (PAs)
- Final (group) Project
- Quizzes

Activity

How much is each component worth?

Look it up in the syllabus

- Exams
- Programming Assignments (PAs)
- Final (group) Project
- Quizzes

How much is each component worth?

Look it up in the syllabus

- Exams 35%
- Programming Assignments (PAs) 35%
- Final (group) Project 20%
- Quizzes 10%

Exams

- **3 Total**
- 2 midterms worth 10%
- Final exam worth 15%
- See course schedule for days of these
- The exams will be in-class
- NO MAKEUPS, unless have dean’s excuse and follow correct procedures

Programming Assignments (PAs)

- Will be 8-12 not including final project
- Will be posted on course website
- Turn in via gradescope

Pop Quizzes

- 8-15 pop quizzes throughout the semester
- lowest 3 get dropped

Class schedule

- Each day of “class” there will be a reading
- The idea is that you do the reading BEFORE class
- The readings are required, and considered fair game for the exams

Grading Policy

- ***Our commitment to you . . .***
  - We will do our best to return grades to you within 1 week of the due date (so long as you turn it in on time)
- ***If you don't like your grade . . .***
  - You have ??? days from the time your grade is returned to you on Gradescope to request a regrade. After that, your grade is ***final***

Activity

How many days to request a regrade?

- Go to the class website, and try to find it in the syllabus!

How many days to request a regrade?

- Go to the class website, and try to find it in the syllabus!

5 days!

(doesn’t include final project and final exam)

How to get help?

- ***Ask a question via Discord***
- **Visit an office hour**
  - Ben’s or one of the TAs

Academic Integrity

- When you are working on a solo PA, you ***can . . .***
  - Talk about ideas and techniques for solving the problem
  - Discuss the spec
  - Talk about the programming at a high-level
- But you may ***not . . .***
  - Share code with each-other
  - Look at eachothers code
  - Work on the project together, submit same code
- See syllabus, and here

Reading

Go to the class website, and figure out what readings are due for both **Tuesday** and **Thursday**

The first Assignment

- See class website

How many pop quizzes get dropped?

How many pop quizzes get dropped?

3

Sites and Tools

- Sites:
  - Course website - Schedule, Syllabus, Office hour info, PAs
  - Gradescope - PA and Exam grading 
  - D2L - Gradebook
  - Discord - Chat and Questions
- Tools/software/hardware:
  - Code editor of your choice! (VIM anyone???)
  - A web browser, NodeJs, Mongodb

Web Dev Course - Use the Web!

Lots of resources, explanations, tutorials, blogs on the web about web programming

Use them!

(so long as you aren’t cheating, copy-pasting, etc)

How can you do well?

“Serious learning is inherently hard work that involves prolonged strenuous mental effort. The motivation to engage in that effort plays a large part in the learning outcomes.”

- Carl Edwin Wieman

Final Project

- Large-scale Team-based final project
- Can begin brainstorming even now!