Web 3

Instructor

Chris Piuggi
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Location

55 West 13th St - Room #407
Thursdays 7:00PM - 9:40PM

Important Links

Code Resources:
https://github.com/piuggi/WEB3_S13

Class Dialog, Communications and Updates:
https://minigroup.com/groups/15110
Make an account and contact me - I will add you.

Class Objective

Twenty years ago the Web was a place to post documents to help researchers collaborate. Now look. It's bonkers! Its design and usability, remembering and retrieving, sharing, playing, discovering, connecting.

The Web has changed so much that it demands introspection: Does accessing the Web even require a browser anymore? Does building for the web require HTML, CSS and JavaScript? Or has the Web evolved into something else entirely?

This class is about formulating your own conclusions. You'll explore a variety of different tools that aid in the development of connecting digital things to help inform your stance. You will be a maker and observer at the same time. You will decide for yourself what the Web is.

Learning Outcomes

- A better comprehension of how all pieces of the Internet come together and work, from server to database to user.
- The basics of IT, including setting up your own server.
- The basics of a server side language. If you feel advanced enough you can choose, if not I'll prescribe the language.
- The basics of a client side language. Same as above.

Course Outline

Week 1	1/31	Course Intro - AWS
Week 2	2/7	Intro to the Server Side, Data Architecture & Lists
Week 3	2/14	Complex Lists, Server vs. Client Side Lists
Week 4	2/21	Outputting lists we can read & use
Week 5	2/28	Saving Lists, MongoDB Intro
Week 6	3/7	Retrieving and Formatting Lists | Mid Term Assigned
Week 7	3/14	Workshop
Week 8	3/21	Mid Term Review
	3/28	Spring Break (No Class)
Week 9	4/4	MYSQL Intro
Week 10	4/11	More Complex MYSQL
Week 11	4/18	Intro to Node.js
Week 12	4/25	More Complex Node & Web Sockets
Week 13	5/02	Workshop
Week 14	5/09	Workshop
Week 15	5/16	Final Review

Necessary Resources

Text Editor - Textmate, Coda, Sublime 2
AWS Hosting - aws.amazon.com *Free tier should work
FTP/SFTP Client - Cyberduck, Fetch, Transmit

Grading

Participation.   Actively communicating with me and your peers. Ask and answer questions in class. Minigroup and share what you're thinking about & find on the web. Take initiative to communicate with me how you see fit.

Comprehension.   Getting better as you go. Each person has a different skillset and background, but its my goal to see you each grow your skill sets. Build upon the lessons and find your own niches within the field.

Accountability.   Show up on time. Your assignments must work! Take care and craft in the work you produce. Assignments and projects must be coded and designed to the highest fidelity within your skillset.

Final Grade Breakdown

50% - homework
20% - midterm project
20% - final project
10% - participation

Grading Standards

F. Failing grades are given for required work that is not submitted, for incomplete final projects or for examinations that are not taken (without prior notification and approval). Fs are given to students who show no comprehension whatsoever of the topics discussed in class and no forthcomingness to attempt to comprehend.
Make-up work or completion of missed examinations may be permitted only with the
approval of the instructor and the program director.

D. D grades are given for required work that is consistently received late or incomplete and a lack of comprehension of the topics discussed in class. D students turn assignments in late and typically do not function correctly or required heavy assistance from their peers to function at all. This is visibly demonstrated by comparing one students' assignment to the next.

C/C+. Average grades will be given to students who fail to collaborate in the point system described above. This may include showing up late for class or expressing visible disdain for the assignments, including failing to help struggling peers or request help if they are struggling themselves. C+ students will often be quiet during lecture time rather than articulating confusion or challenging the topic at hand.

B/B+. Does everything a C/C+ assignment would do with a more enthusiastic approach to the overall class. A B+ student will complete the assignments on time and enthusiastically discuss the topics during class time.

A. An A student does exceptional work. They may not be the best programmer, but they demonstrate comprehension by submitting multiple iterations of their progression through problems with each assignment. A students contribute to the larger class by helping struggling students out in and outside of class time. A students are active in course discussions and even in shaping what they want to take out of
the class time.

I. A grade of I (Incomplete), signifying a temporary deferment of a regular grade, may be assigned when coursework has been delayed at the end of the semester for unavoidable and legitimate reasons. Incomplete grades are given only with the written approval of the instructor and the program director. The Request for an Incomplete Grade form must be filled out by the student and instructor prior to the end of the semester. For undergraduate students, if a grade of incomplete is approved, outstanding work must be submitted by the seventh week of the following Fall semester (for Spring and Summer courses) or by the seventh week of the following Spring semester (for Fall courses). Otherwise, a grade of I will automatically
convert to a permanent unofficial withdrawal (WF) after a period of four weeks. For graduate students, the maximum deadline for completion of an incomplete is one year though a shorter period may be imposed at the discretion of the instructor.

Class Policies

Responsibility

Students are responsible for all assignments, even if they are absent. Late papers, failure to complete the readings assigned for class discussion, and lack of preparedness for in-class discussions and presentations will jeopardize your successful completion of this course.

Participation

Class participation is an essential part of class and includes: keeping up with reading, contributing meaningfully to class discussions, active participation in group work, and coming to class regularly and on time.

Attendance

Faculty members may fail any student who is absent for a significant portion of class time. A significant portion of class time is defined as three absences for classes that meet once per week. Lateness or early departure from class may also translate into one full absence.

Delays

In rare instances, I may be delayed arriving to class. If I have not arrived by the time class is scheduled to start, you must wait a minimum of thirty minutes for my arrival. In the event that I will miss class entirely, a sign will be posted at the classroom indicating your assignment for the next class meeting.

Academic Integrity

This is the university's Statement on Academic Integrity: "Plagiarism and cheating of any kind in the course of academic work will not be tolerated. Academic honesty includes accurate use of quotations, as well as appropriate and explicit citation of sources in instances of paraphrasing and describing ideas, or reporting on research findings or any aspect of the work of others (including that of instructors and other students). These standards of academic honesty and citation of sources apply to all forms of academic work (examinations, essays, theses, computer work, art and design work, oral presentations, and other projects)."
It is the responsibility of students to learn the procedures specific to their discipline

for correctly and appropriately differentiating their own work from that of others. Compromising your academic integrity may lead to serious consequences, including (but not limited to) one or more of the following: failure of the assignment, failure of the course, academic warning, disciplinary probation, suspension from the university, or dismissal from the university. Every student at Parsons signs an Academic Integrity Statement as a part of the registration process. Thus, you are held responsible for being familiar with, understanding, adhering to and upholding the spirit and standards of academic integrity as set forth by the Parsons Student Handbook.

Academic Honesty, Plagiarism, and Open-Source

You are encouraged to work in groups, but unless otherwise specified you must turn in your own work. Copying/pasting and re-using code is a key part of the programming process — especially while learning. You often learn best by modifying working examples rather than starting from scratch. We stand on the shoulders of giants — that's the essence of the open-source philosophy. **However**, there is a very important caveat: any code you borrow and/or modify must be labeled as such. That is, you must include, in your work, the name of the author, the source URL, and you must make clear which lines of code are not yours. If you fail to do this, you will fail the class. It is very, very easy to get this right, though, so if you take a moment's time to label your work correctly, you will not have a problem. Just be diligent and honest.

Student Disability Services

In keeping with the University's policy of providing equal access for students with disabilities, any student with a disability who needs academic accommodations is welcome to meet with me privately.

All conversations will be kept confidential. Students requesting any accommodations will also need to meet with Jason Luchs in the office of Student Disability Services, who will conduct an intake, and if appropriate, provide an academic accommodation notification letter to you to bring to me. At that point I will review the letter with you and discuss these accommodations in relation to this course.

Mr. Luchs' office is located in 79 Fifth Avenue, 5th floor. His direct line is (212) 229-5626 x3135. You may also access more information through the University's web site at http://www.newschool.edu/studentservices/disability/.