CSC435 Study Log – Jessica Bender

DePaul University Winter Quarter 2021 – Dr. Clark Elliott

Document Word Count:

Wednesday, January 27, 2021

# Books Referenced:

* Maarten van Steen and Andrew S. Tanenbaum, *Distributed Systems*, Third Edition – Version 01

# ****Twenty Concepts:****

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# ****Forums:****

## ****Hello Back Responses****

### ****Replies to my post:****

* No I still have no idea what the meal was exactly. I know it was a type of gnocchi but not sure what the sauce was. Wish I had taken a photo of the menu so I could stop guessing what it was. I have tried to make it at home so many times by looking up different gnocchi recipes. However, I have not found the right one. Guess I need to go back to Italy to try and find out.
* Hi Linh I trained all summer. I use to be a gymnast in high school and did yoga in undergrad so I staid fairly active over the years just not any major cardio so it was not easy! But if you try anything is possible.

I had the gnocchi in Pollenzo italy at some small pizza place.

Top of Form

* I got into film photography in high school as well and it has been draining my wallet ever since! I just started my first "Adult" job and having adult money is not helping I swear I have no idea where my pay check goes every month.
* I like iOS programming so far! I have always like Web and App dev more. Seeing everything come to life on a screen is just more appealing to me for some reason. Running everything on the command line just doesn't do it for me.   
  Also Highly recommend taking the test in your free time! Let me know what you get :)

### Reply to Tsvety Sotonov****:****

* Hi Tsvety, Pleasure to meet you! I think you are also in the iOS class with me this quarter. Pleasure to have you in not one but two classes this quarter. Should be a good one.

### Reply to Haider Khan:

* Pleasure to have you in class. I would love to hear any technical books you suggest to read. I am always looking to continue my learning on the summer and winter breaks.
* Thanks for the suggestions! Ill be sure to check them out over the summer :)

### Reply to Rachel Jacobsohn:

* Loved reading your background! I too also like the bake this year since we could not see a lot of family for the holidays I made about 400 and delivered them to my family and friends! I wish I could bake more but I never have an excuse to bake and I cannot eat a who cake myself. Actually I probably could but I shouldn't.

### Reply to Devin Garrett:

* Hello, pleasure meeting you virtually! I also went to DePaul for my undergrad in CS and am now getting my masters SE. I also absolutely love react. It has to be my favorite thing I have learned ever. I also really enjoy what you had to say about life goals. Mental heath is a big thing for me along with building relationships with people. I like how you put time with money I haven't really thought of it that way but I agree with your reasoning. I have always had the mind set that I wouldn't give someone the time of day if they weren't worth my time or were hindering my life in any way. I also Love Ariana Grande! cant wait to get to know you more in this class and maybe future classes!

### Reply to Jessica Wilson:

* Hi Jessica! Im also a Jessica I prefer Jess however lol! Congrats on the upcoming wedding! That is so exciting. Hopefully covid is cleared up enough for all your friends and family to enjoy the day with you! I have to also say I am an extremely picky eater. My basics are chicken and pasta. My boyfriend is getting tired of eating only chicken and pasta with me though so I told him as a goal for 2021 is I will try one new food of his choosing a month. Glad to meet you!

### Reply to Zeying Yu:

* Congrats on this being your last quarter!

### Reply to Kyle Mastrangeli:

* Hi Kyle! Correct me if I am wrong but your name looks very familiar were you in SE350 in Spring 2020? That class was fun...   
  Anyways, Its a pleasure meeting you virtually, I also enjoy running. I just got really into it this summer, running my first ever 5 and 10k along with completing a challenge to run 200 miles in 3 months! Running has been a good way for me to stay active. If your sprint career doesn't pan out, you should get into long distance running I know people(my parents being one of them) who run marathons for years and years.

## General Postings / Course Discussion

### Posts:

* Hello,

I was looking for a schedule/ list of when we should have all readings done by and what those readings are. I see there is associated quizzes for reading chapters. However, I see that chapters 1-3 quiz is due on January 27th but according to the check in posted in the news we should have them read already. Thus, I am confused when when you suggest to have the rest of the readings done in order to stay on track with the class?

I looked in the syllabus for this and it states that exact list of readings is available on the course website, however I am struggling to find that. Can anyone point me in the correct direction?

Also, What readings do you recommend to read in the Recommended background text, Computer Networking: A Top-Down Approach?

Thanks in advance for the help!

* I was looking at the extra credit opportunities and found the research study participant interesting. I was trying to request an account here <https://depaulurparticipant.sona-systems.com/student_new_user.aspx> but I do not see our class listed as an option? Thanks in advance for the help!
* Hello, I saw for week 1 lecture check it was due on Sunday (yesterday) however looking ahead, I do not see any due dates on the other lecture checks. Should I assume they are always due on Sundays?

Thanks! Just want to make sure I don't miss a date by accident.

## JokeServer (and Inet)

### Posts:

* Hi this is not specific to the JokeServer or Inet but does anyone use VScode? For some reason every time I save a file it deletes random things in my code see screenshot from Inet code. Does anyone know why? or how I can fix this? Thanks in advance
  + Also not sure why my things are in so many colors. Ie why is class all purple but the last letter?
  + Im using another editor for now but I prefer VScode its just acting funky today will see if I can fix it :Top of Form)
  + I think this was the issue! It looks like one of the extensions I installed to run java was installed incorrectly so when I uninstalled it and reinstalled vscode seems to be working fine now! Thank you.Bottom of Form

### Reply to Anyone Using Eclipse IDE:

* In case anyone is looking for any other IDE to use other than eclipse(I personally do not prefer it). I recommend IntelliJ for java as a student you can get a free education license <https://www.jetbrains.com/shop/eform/students> I also really like VScode it puts the code into very pretty colors. :)

Going to also put this here if anyone is looking for a source control github is a go to. Here is a link to get GitHub pro for free as a student <https://education.github.com/discount_requests/student_application> + if you get the GitHub student developer pack there are a lot of other developer perks! <https://education.github.com/pack>. These are the free perks I found as a student developer.

### Reply to Favorite Joke?:

* I am awful with jokes so I was looking up jokes to use for this assignment and I came across:

I invented a new word! Plagiarism!

and it made me giggle.

## Nexwork Labs

## MyWebserver & MiniWebserver

## Blockchain

## Fun Random Thoughts

### Posts:

* Wanted to share this incase anyone else was interest. I found this bed desk on amazon and I think it was my favorite purchase from the pandemic! It makes late night homework so much better. Its useful for doing homework on the couch in your bed and even on the floor. I am always looking for different spots in my home to do work and school this has made it so easy. Easily holds a laptop and notebook and has a stand your your textbook.

Highly recommend.

<https://www.amazon.com/gp/product/B07JZCND72/ref=ppx_yo_dt_b_asin_title_o04_s02?ie=UTF8&psc=1>

### Reply to Study Break:

* I'm a little late to the reply but I am going to have to try this recipe for my mom. She just started a no dairy and no grains diet! I'll have to surprise her and make it one weekend.

## Chapter One

### Posts:

* I just wanted to jump on here and share my thoughts on chapter one in our Distributed Systems textbook. In chapter one the design goals section really spoke to me. It gave me a more in-depth reason for why I am taking this class other than it was required on my degree progress report. The specific goal that stood out to me the most was scalability. I am only 23 so I have not witnessed the invention of the internet and the first home computers, but I have seen phones go from flip phone to miniature computers that can fit in our pockets. Growing up my father was an electrical engineer for Motorola, working on the cell phone to be exact. It was always interesting to me to see the newest phone being brought home to be tested. We had small smart phone we had large smart phones, we had smartphones that were touch screen only and we had some that had a slide out keyboard. I think there was some type of new phone every 4-6 months in our home. Its crazy to look back on and see how everything use to be stored and now everything is on a small device and in the cloud. Seeing technology change as a kid made this section very intriguing to me. I saw phone go from big to small back to big with the iphone 6 plus and now small again with the iphone 12 mini. This section reminded me how that memory relates to my current field and this class. With technology being so vast it is often easy to forget there was still limitations that can lead to flaws in our code.
  + I wish we could remove our phones batteries. My phone is always dead. Off topic but I also am not a fan the the design choice of having only the charging port. I miss my headphone port. Because my Bluetooth headphone are also always dead. Too many things to remember to charge at night.

But I think if there was a way to connect your phone to a charger and the keyboard, mouse and monitor then it wouldn't be too bad battery wise. But there is also the fact that most phone go bad after a year or two while computers have a much longer lifespan.

### Reply to DS Administration:

* I think the biggest nightmare would be losing all your data. The purpose of this class is to learn how to organize our data so it doesn't get lost, but losing it will always be a big fear of mine no matter what. I have had too many time where I have lost documents due to a whole flash drive crashing. I don't want to lose data in anyway weather its in code or on a flash drive. It is a nightmare!

## Chapter Two

## Chapter Three

## Chapter Four

## Chapter Six

## CDK Chapter 7 Security

## CDK 2 / Hadoop / NAT / Bluetooth / Etc.

# ****Research / Study Log:****

## ****Distributed Systems****

### ****Chapter One: Introduction****

**Text Here…**

### ****Chapter Two: Architectures****

**Text Here…**

### ****Chapter Three: Processes****

**Text Here…**

## ****Computer Networking:****

### ****Chapter One:****

**Text Here…**

# ****Network Labs:****

## Wireshark Intro Lab & Setup

I ran into a little difficulty with the intro lab. The example shown in the pdf in figure 4 was not what I was seeing on my screen. I have about 11 different capture interfaces that were available on my Wireshark. Whereas the example only had two capture interfaces. The example also said to select Gigabit Network Connection, and I did not have that option on my wireshark. Thus, It took me a little bit to figure out what one I needed to use for the intro lab and to follow the examples. I eventually found out it was Microsoft: Wi-fi that I wanted to use. I figured this out because it was the only one out of my eleven choices that outputted the intro-wireshark-file1.html.

Another issue I ran into while doing the intro lab was again in figure 4. In figure 4 it showed a start button right next to the options. Mine did not have any start buttons at all. I was just randomly clicking and saw that I could just double click on the selection I wanted, and it ran.

After my first attempt at the intro lab, I knew I was still a little confused what I was trying to accomplish with Wireshark. So, I decided to go back and run it and reread the document to ensure I fully understood the lab.

## IP Lab

For this lab I downloaded ping plotter to capture my pockets. I then recorded the pockets with Wireshark. I captured pockets from [www.pingplotter.com](http://www.pingplotter.com) on ping plotter. I captured 3 different packet sizes at 56, 2000, and 3500. I then analyzed all the information on Wireshark and ran though the questions in the lab. Showed me how ICMP Request has all different identifications and Time to Live, whereas the ICMP Time to Live all have the same identifications and Time to Live for the same sources. I found this interesting because I would have thought identifications should be different for all but its not the case for ICMP Time to Live

## DNS Lab

## HTTP Lab

## ****TCP Lab****

## UDP Lab

## ****SSL Lab****

# ****Extra Credit:****

## University Institutional Research Board (IRB) Training:

### ****COVID-19: Back to Campus (Fall 2020):****

#### COVID-19: An Introduction

#### COVID-19: Prevention Strategies

#### COVID-19: Moving Forward

### ****COVID-19: Insights for Higher Ed Leaders:****

#### COVID-19 Strategic Planning: Insights and Advice for 2021

#### COVID-19 Strategic Planning: Campus Health and Safety Operations

#### COVID-19 Strategic Planning: Restarting and Continuing Research and Lab Operations

### ****Faculty/Staff/Outside Collaborators/Students:****

#### Students in Research

#### Defining Research with Human Subjects – SBE

#### Assessing Risk - SBE

#### History and Ethical Principles - SBE

#### The Federal Regulations – SBE

#### Informed Consent – SBE

#### Internet-Based Research – SBE

#### Privacy and Confidentiality – SBE

#### Research with Prisoners – SBE

#### Research with Children – SBE

#### Research in Public Elementary and Secondary Schools – SBE

#### International Research – SBE

#### Unanticipated Problems and Reporting Requirements in Social and Behavioral Research

#### Conflicts of Interest in Human Subjects Research

#### FERPA: An Introduction

#### FERPA for Researchers

#### DePaul University

**Participating in Vaccine Research:**

#### Participating in Vaccine Research

### ****Remote Contact Tracing:****

#### Remote Contact Tracing Basics for COVID-19

#### Investigating and Tracing a Case’s Contacts

#### Contact Tracing Ethics and Responsibilities

## MyWebServer

## Research Subject Participant

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