**ICS 440 - Parallel and Distributed Algorithms**

**2021-11-24 15:22**

Recording for Nov 22 -

<https://minnstate.zoom.us/rec/share/2kYBuYj_G-dWllUvZFXHFdm_TyrOHy4fwuHs_v98slLEF8zDHRlN2uq_zyLDh3Oo.pzvHKvNOHL0ivdCM>

**2021-11-18 10:00**

Office hour tonight pushed back to now be 9p-10p.

**2021-11-15 21:14**

The solution for HW08 is up under s10. The in-class examples are up under s12.

I will host 3 different times for optional office hours:

* **Tue** Nov 16, 8p-9p.
* **Thu** Nov 18, ~~8p-9p~~. 9p-10p
* **Sun** Nov 21, 7p-8p.

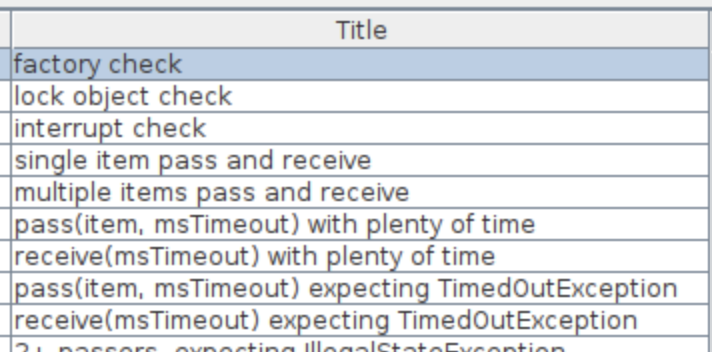
Recording for Nov 15 - <https://minnstate.zoom.us/rec/share/W91jEvO6AcRtKQwTjCLYM_zaHSetq4ivGCIMk_XxlTwRjxWs-5whXwBy7-JjNZ3Q.qjWqLdzgLw1tifW2>

**2021-11-09 09:02**

**Quiz #3** will be for ~~45~~ 60 minutes at the end of class Mon Nov 15.

The seven in-class examples are up under s11. We did not go over a solution to HW08 yet.

**Project** is ready to start and is up under s10. There's a deluxe PDF with 4 pages of instructions, explanations, and advice. There's a .zip file with two Eclipse projects within it. ***You only submit the final solution***, but I highly suggest that you aim to meet these personal milestones to stay on track:

* working TestUltraBasic before Mon Nov 15.
* working TestStringHandoff tests up to and including "receive(msTimeout) expecting TimedOutException" before Mon Nov 22 (this would put your score in the mid 80's if you were unable to add anything else).
* ready to submit by 9p Sun Nov 28 to get confirmation of receipt by me before class and to have a 20 hour safety net if something goes awry.

The earliest the project can be handed in is ***after*** class on Mon Nov 22. All projects must be received via email (paul@programix.com) **by 6:00:00pm on Mon Nov 29.**

I will host optional office hours **Wed** Nov 10, 8p-9p. This is the best time to get project questions answered.

Recording for Nov 8 - <https://minnstate.zoom.us/rec/share/4DmmcL1diEBUmPkeRjkIso0Y82HO0J3r1JujODEeQjJOnKmihRa5Cd4YrDs1cBbX.CBbCqxkbghDltfbH>

**2021-11-02 08:30**

HW08 is up, but is just for fun… do NOT submit. Solution for HW07 is up. In class examples are up. Project preview is up.

I will host optional office hours **Wed** Nov 3, 8p-9p.

Recording for Nov 1 - <https://minnstate.zoom.us/rec/share/mhZLIFyW7FoQ4HtASp7KOaH7Zy9_4Jixeec1hRW6t_phIZLlqt8TpVzknZDzySh2.Sxtb32WgqLaIVveL>

**2021-10-26 15:08**

Both FruitWork pipeline examples are up under s09 (updated from the old one under s08 which I deleted). HW07 Data Sockets is up under s09 and due Monday.

I will host optional office hours **Wed** Oct 27, 8p-9p.

Recording for Oct 25 - <https://minnstate.zoom.us/rec/share/qlLmZ2MDSb2HfaQze09SDi31GQJrcO7CPed0RUQ9qg6duyjo5WxHqxmUbF1u2rPu.5Di-2uYmF0tPLOOJ>

**2021-10-19 07:50**

Solutions for HW06 and the in-class FruitWork pipeline example have been uploaded. No homework for next week.

Recording for Oct 18 - <https://minnstate.zoom.us/rec/share/tq3u8njcF4a7IPh1Bj2lGPqm_ztbu2J22gXY9Xxd_1XYw6E4R0VhzAh2lVXYAD49.JcukRHoMN42aZf0X?startTime=1634598133000>

**2021-10-12 09:15**

Quiz #2 will be at the end of class on Mon Oct 18. Same format as before. Lots of stuff on wait-notify.

In-class examples from last night are uploaded. Homework solution is uploaded. I moved the Java I/O, Serialization, Sockets PDF to next week, please read in advance of class to be better prepared for the speed that we go through (what should be) a review of I/O in Java.

HW06 is up under s07. See the class recording for instructions if needed. You'll run the test suite and work toward implementing all the methods… work on them incrementally from top to bottom in the test list. Recall that this zip has TWO projects to be imported (that will be selected by default in Eclipse). As a reminder, the interface with all the method explanations is PPBoundedFifo.

I will host optional office hours **Thu** Oct 14, 8p-9p.

Recording for Oct 11 - <https://minnstate.zoom.us/rec/share/qW-7Q0RZcxQgV5bCPaFecSSGLpsqgnRX_bGHgICQf6TetGsNx9NWziQwh-hyDbdw.Zqaz86UVLemOqZJ9?startTime=1633993369000>

**2021-10-05 10:28**

I will host optional office hours 8p-9p Wed Oct 6. This is of course optional, but I can help with homework questions or other questions if you are interested. We'll meet on Zoom using the same link we use for regular class meetings, but the session will not be recorded. Also, it is a group meeting and if you have code-related questions, I'll allow you to share your screen so that I can see it (and anyone else in the meeting too).

**2021-10-05 10:20**

In-class examples are up under s06. New materials for next week are up under s07.

HW05 is up under s06. Yes, this is HW**05**, not HW06 and is due Oct 11. Refer to the diagram of the prime number pipeline we covered in class and the HW05 instructions covered in class. For HW05, you are writing the implementation of the FIFO's, you only need to change the add and remove methods in: CircularArrayLongFifo.java (the other methods are written for you since they're pretty much the same as the HW04 solution). Run PrimeMain. When working correctly, you should see more than 9,000 prime numbers printed (and they may be printed out-of-order… this is OK).

Recording for Oct 4 - <https://minnstate.zoom.us/rec/share/B6wWUXptaTCqMYSutT7B4SMMOdJSDrHd9bl_fDiE7NYffObvrYfFXdC-tyIA6kt9.HKZfI7bXEkdgZMp2?startTime=1633388509000>

**2021-09-27 21:06**

Solution for HW04 CircularArrayLongFifo is up under **s04**. In-class examples are up under s05.

No homework due for next week!

Recording for Sep 27 - <https://minnstate.zoom.us/rec/share/jC1d5mb1_3l_aRXvc9EllJwHEy_0GYxS_8GBy-w6s_PGk7aAEUGaWcSe5y3-owgQ.gxRXRP3-fHZuHd6k?startTime=1632783595000>

**2021-09-22 11:07**

Solution for HW03 Countdown Timer is up under **s03**. In-class examples are up under s04.

HW04 is up under **s04**. Fix CircularArrayLongFifo, see LongFifo interface for what all the methods should do. Due by 6p Sep 27.

Recording for Sep 20 (now downloadable if you'd like [it's huge]) - <https://minnstate.zoom.us/rec/share/1nPvBX7-vXihMQcZX6wWMIOstKjlqZDp6Q_fH9gJRhzn--jFrbJjPnCzotBEhemT.9SH5n_nIedFbyc2U?startTime=1632178697000>

**2021-09-13 22:27**

Solution for HW02 is up under **s02**. In-class examples are up under s03. Slides for next time are up under s04.

HW03 is up under s03. See src/Instructions.txt for more. Due by 6p Sep 20.

Recording for Sep 13 - <https://minnstate.zoom.us/rec/share/p5p9AtWw7qX4fv7CCyt52zLmhzTCP19H9wRsaw1HwJzHygOLSga6YGsQXMp04HQH.7cnqKTfwNmY6YZ69?startTime=1631574041000>

**2021-08-31 10:20**

Solution for HW01 is up under **s01** (I put the solutions right next to the assignments). In-class examples are up under s02. Slides for next time are up under s03.

HW02 is up under s02. There is no starting code, you do it all from scratch. You have two weeks to work on it since we don't have class on Labor Day. HW02 is not due until 6p, Mon Sep 13.

Recording for Aug 30 - <https://minnstate.zoom.us/rec/share/VLCiBxIxfQWRapk2na8yYk2VvKRBgWyRARKSqGLJ6-46ji2Idr2JtPQAbBFMt7W8.jmK-thL7-1IpRkTA?startTime=1630364805000>

**2021-08-23 22:01**

Recording for Aug 23 - <https://minnstate.zoom.us/rec/share/Sitp_GSigI3nziJba-wK7EHVUhEuwFYZz7FuiEa_sGV7yMWKkAtbGOpyYlzg4n5j.xRvIScVml3drpLez?startTime=1629759676000>

**2021-08-23 17:32**

No flight problems for me, we'll start class at 6p tonight on Zoom!

| Note: To import a zipped Eclipse project: File, Import, General, Existing Projects into Workspace, check Select Archive File, Browse to find .zip file, press Finish. |
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**2021-08-22 21:15**

We'll meet tomorrow August 23 at 6:00pm on Zoom with passcode of **440**: <https://minnstate.zoom.us/j/97732999146>

I'm flying back to Minnesota and I am due to land at 2:40pm. If for some reason we are delayed, I'll post an update here at the top of this document.

This document is where you can expect to see updated information on assignments, etc. Always check this message log file for any news. Always check here on the morning of class to see if there is anything new for class that night. I'll sometimes post something late the night before. I'll put new entries at the top.

I have uploaded a PDF of Object-Oriented Technology slides. Look under the s01 folder.

HW01 - due 2021-08-30 by 6pm. We'll discuss it in class before you start on it. Edit Drawing.java to work as the comments within it suggest. Create classes in the com.abc.draw.geometry package: Triangle, Square, and Rectangle as the UML Class Diagram suggests. Uncomment code chunks within DrawDemo.java as you have the newly written classes ready. Do not create or submit any UML diagrams, just submit a zip of your source code (per the submission instructions). Do ***not*** change Drawable.java, DrawingComponent.java, Point.java, or Line.java.

Instructions on how to submit your assignments are available under s01. When you have the zipfile correctly built and named, send it as an email attachment to me. You can submit *from* any email you’d like **as long as your full name is in the “From” part of the emai**l. Please start the “Subject” with ICS 440 - HW01 submission and send it to [paul@programix.com](mailto:paul@programix.com) (NOT to my Metro State email).

Policies:

* If you come to class late, need to leave early, or miss class, you must find a friend who is willing to let you make a copy of their notes. That is how you find out what you missed. Or check out the class session recordings.
* Quiz dates are flexible. But you'll know one week before.
* Be sure to sign the attendance sheet each week (you can only sign yourself in).
* Nothing is accepted late.
* ~~Weather - I'll try to post here if I can't make it to class, please stay until 6:30p if there is no announcement on this page and the school has not officially closed.~~
* Zoom - keep video on, keep mute on unless asking a question.

Suggestion: unless you have an amazing memory, I highly recommend taking notes in class. ~~In particular, things I write on the board are likely important enough for you to write down too. You can record audio or video and take photos for your personal studying use (no distribution).~~

OpenJDK 11 or later.

You can use the free program [7-Zip](http://www.7-zip.org/) as a tool to both unzip and zip up bundles of files. You must submit your assignment using the "zip" format, not the "7z" format (7-Zip can do both).

Oracle (formerly Sun) has a good, free, on-line [Java Tutorial](http://docs.oracle.com/javase/tutorial/).

**Programix:**

[Programix](http://www.programix.com/)

[Java Source Code Style](http://www.programix.com/style/)

[Java Thread Programming Book](http://www.programix.com/threadbook/)

#### **Oracle (Java was formerly owned by Sun Microsystems):**

[oracle.com/technetwork/java/](http://www.oracle.com/technetwork/java/)

#### **Eclipse:**

[Eclipse](http://www.eclipse.org/)