RECITATION 13

INFO

- Jon Rutkauskas
- Recitation: Tue 12-12:50
- Office Hours: Tue 11-11:50
  Thur 11-12:50
  SENSQ 5806
  (additional hours by appointment if needed)
- On discord: @jrutkauskas
- By email: jsr68@pitt.edu
- Website:
  https://github.com/jrutkauskas/spring2019-449-rec
- Ask me any questions you have!!!

WARMUP POLLS

“STICK” AROUND…

- Still have stickers!
- Also, an extra surprise to everyone who came to this final recitation

HOW DOES A MUTEX KEEP SHARED MEMORY FROM BEING MESSED UP BY A NONCOOPERATING THREAD?

If they try to access the shared state, they get blocked

It doesn't.

If the shared state is changed, the mutex reverts it to the last safe state

The mutex restricts access on the level of the MMU (Memory Management Unit)

I really don't know... please explain the answer to me.

HOW DOES A MUTEX KEEP SHARED MEMORY FROM BEING MESSED UP BY A NONCOOPERATING THREAD?

- Threads only get blocked when they try to *lock the mutex* when it's already locked.
- Mutexes don't actually change the way we access the actual shared state, we just agree to lock and unlock the mutex around the access
- There's no transaction history with mutexes; if you want something like that, have a look at DBMSs
- The MMU has nothing to do with mutexes.

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I really don't know... please explain the answer to me.

OMETS!

- Please do them. You'll get cookies (and subsequently, I might get cookies as well) These cookies are worth it
- Also, there may or may not be a TA evaluation sent to you. I do appreciate feedback.

FINALS WEEK OH

- Available on Discord anytime!

During finals week:

- Tuesday from 12:00pm – 1:00pm
- Wednesday from 10am – 12pm
- Friday from 1pm – 3pm

- Come to review, look over code, ask about any concept, go over powerpoints, or even just to study.

FOR THE REMAINDER OF THIS CLASS

- Finals questions. I'll have an anonymous poll
- Lab 9 (AKA Project 5) – Making a device / driver

- Thanks for a great semester!