EECS498-003 - Lab 11

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November 7th, 2025

Administrivia

- Problemset 4 due November 17th
- Distributed multiset might be too hard for lab...
- Today (and probably next lab): distributed counter

Distributed counter

Different from moving counter: no longer concentrated at one host

- ▶ Each host has its own counter, which is initially 0
- ▶ Each host locally can increment and decrement its counter
- ▶ Hosts can subtract some amount from its own counter to send to another counter in a message
- ▶ Prove: This distributed system refines to the state machine of a single counter that is initially empty, and supports increments and decrements