Welcome to

CS 3516: Computer Networks

Prof. Yanhua Li

Time: 9:00am –9:50am M, T, R, and F

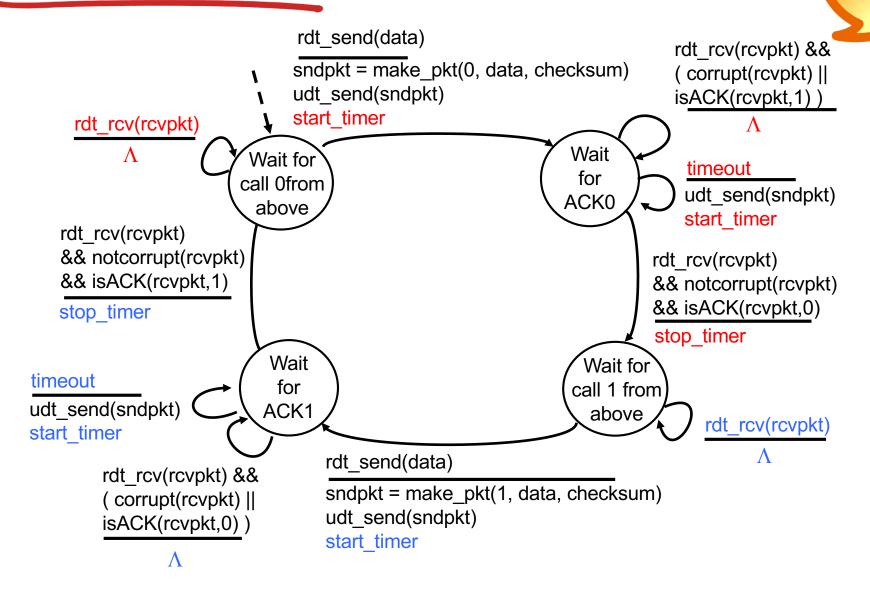
Location: AK219 Fall 2018 A-term

Today

Project 2

Mid-term review

rdt3.0 sender



rdt3.0 receiver?

rdt3.0: receiver fragments

```
rdt_rcv(rcvpkt) &&
  (corrupt(rcvpkt) ||
                           Wait for
   has_seq1(rcvpkt))
                                     receiver FSM
                           0 from
                                       fragment
udt_send(sndpkt)
                           below
                               rdt_rcv(rcvpkt) && notcorrupt(rcvpkt)
                                 && has_seq1(rcvpkt)
                               extract(rcvpkt,data)
                               deliver_data(data)
                               sndpkt = make_pkt(ACK1, chksum)
                               udt_send(sndpkt)
                                                                              Transport Layer 3-4
```

Project 2

Rdt 3.0 = ABP (alternating bit protocol) is required

GBN (Go-Back-N) is encouraged

Mid-term exam

6 questions in the exam,

50 minutes

32 points + 3 bonus points.

Closed book, I A4 2-sided cheat sheet.

Mid-term exam

QI: Network performance: packet delay

Q2: HTTP

Q3: RDT

Q4: Transport layer protocol intro, UDP

Q5: Network performance: packet delay

Q6: DNS

Q4 in Sample Questions: Message Segmentation

- Without Message Seg
- I. If there is a single bit error, the whole message has to be retransmitted
- 2. huge packets are sent into the network. Smaller packets have to queue behind enormous packets and suffer unfair delays
- With Message Seg
- I. Packets have to be put in sequence at the destination
- 2. The total amount of header bytes is more (I point).
- 3. Lower total delay

Good Luck to your mid-term exam