Message Queue Lab Report

CECS 326

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Software Description:

In the project we worked on making an event monitoring and reporting system. We made five separate programs, three to send messages (Sender 251, Sender 257, and Sender 997) and two to receive (Receiver 1 and Receiver 2). Also, we introduced a new class called the Queue-Center.

Sender 251 will only sends messages to Receiver 1 and terminates on a kill command.

Sender 257 will only sends to receiver 2 and also terminates but only if receiver 2 can no longer receive messages.

Sender 997 will send the first two messages to both Receiver 1 and Receiver 2. Once Sender 997 gets a confirmation message from both receivers, it will send messages to the receivers until Sender 997 generates a random number under 100.

The Queue Center's main job is only regulate the queue. This mainly includes creating, buffering, and clearing the queue when all receivers end.