

SWEN 563 Real-Time and Embedded Systems

Project 4 Demo Review

Team members: _____

Section Number: _____

_____ Grad extension (grad students only)? Checklist on other side.

Metrics checklist (required for all students):

_____ 1. The total number of customers serviced during the day. `number_ofCustomersServed++` after calling `queue_front()`

_____ 2. Customers served by Teller 1, 2, and 3 respectively.

_____ 3. The average time each customer spends waiting in the queue. `add time customer waited in queue and then divide by how many customers were served`

_____ 4. The average time each customer spends with the teller. `add time customer spent with teller then divide with how many customers served`

_____ 5. The average time tellers wait for customers.

_____ 6. The maximum customer wait time in the queue.

_____ 7. The maximum wait time for tellers waiting for customers.

_____ 8. The maximum transaction time for the tellers.

_____ 9. The maximum depth of the customer queue. `Use queue->size, if new_size > old_size, increment max_depth`

Concerns if any: _____

Metrics checklist (graduate student extension):

- _____ 1. The total number of customers serviced during the day.
- _____ 2. Customers served by Teller 1, 2, and 3 respectively.
- _____ 3. The average time each customer spends waiting in the queue.
- _____ 4. The average time each customer spends with the teller.
- _____ 5. The average time tellers wait for customers.
- _____ 6. The maximum customer wait time in the queue.
- _____ 7. The maximum wait time for tellers waiting for customers.
- _____ 8. The maximum transaction time for the tellers.
- _____ 9. The maximum depth of the customer queue.
- _____ 10. The number of breaks for each of the three tellers.
- _____ 11. The average break times for each of the three tellers.
- _____ 12. The longest break time for each of the three tellers.
- _____ 13. The shortest break time for each of the three tellers.

Concerns if any: _____