Feedback on CO661 A1 for STUDENTID

Final score = 81 /100
Overall comment: Good attempt, but some data races and Client errors.

Task 1 - Server - Max. score 70

Criteria	Comments	Score
Tests	$\mathsf{round}(\frac{\mathbf{52}}{52} \times 25)$	25 / 25
Functionality		
Concurrency and exclusion	Correct idea of having a semaphore per file.	20 / 20
Race freedom	Using synchronize to avoid races was a good idea, however you synchronized the mode updates in open and close with respect to different objects. The more important data race is in close where you use a conditional to check available permits. Just checking that the permits are available is not sufficient . After the check has been made, a thread could acquire a permit. If you then change the mode, this could lead to an inconsistent state.	0/ 10
Fairness		5/ 5
Description	Lacking an overall description at the top, but the description in FileLock covers fairness and mutual exclusion	3/ 5
Code quality (comments, format, modularity/abstraction)	Lots of comments, code was easy to read, well structured.	5/ 5
Total		**58/70**

Task 2 - Client - Max. score 30

Criteria	Comments	Score
Opening		4 / 4
Reading	The client doesn't read from files	0/ 4
Writing	You write to files that have been opened in read mode.	3/ 5
Randomness		5 / 5
Logging output	The logging, while verbose, it very unclear.	2/ 3
Client/server spawning		5/ 5
Code quality		4/ 4
Total		**23/30**