Gregory Beauclair

Project 2

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| Semaphore | Function | Initial Value |
| rooms | Track the number of available rooms | 3 |
| check\_in\_line | Provide mutual exclusion on the check\_in\_reservationist | 1 |
| check\_out\_line | Provide mutual exclusion on the check\_out\_reservationist | 1 |
| greeting | Event ordering for the check\_in\_reservationsit to greet the next guest | 0 |
| give\_key | Event ordering for the guest to receive the key | 0 |
| farewell | Event ordering for the check\_out\_reservationist to greet the next guest | 0 |
| give\_reciept | Event ordering for the guest to receive the reciept | 0 |