

CS 511 – Quiz 4: Monitors

13 October 2020

Names:

Pledge:

Exercise 1

In a pizza shop two types of pizzas are sold, small and large. The cook bakes a small pizza by calling the `bakeSmallPizza` operation and similarly with `bakeLargePizza`. Clients may either buy a small pizza by calling `purchaseSmallPizza` or a large pizza by calling `purchaseLargePizza`. In the case of large pizzas, if there are none left at the moment, they accept two small pizzas. Fairness requirements may be ignored.

```
monitor Pizzeria {
```

```
    purchaseLargePizza() {
```

```
    }
```

```
    purchaseSmallPizza() {
```

```
    }
```

```
    bakeSmallPizza() {
```

```
    }
```

```
    bakeLargePizza() {
```

```
    }
```

```
}
```