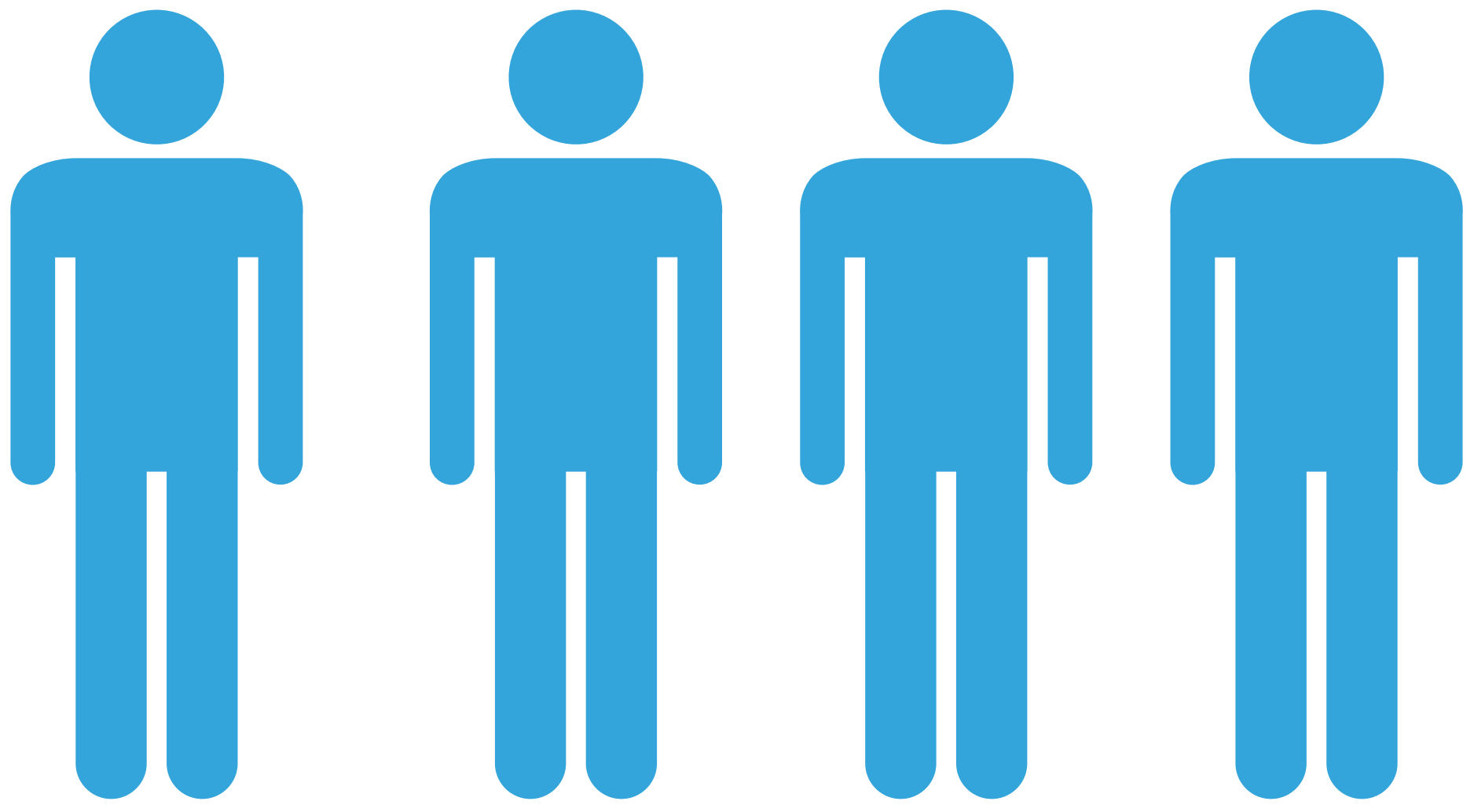
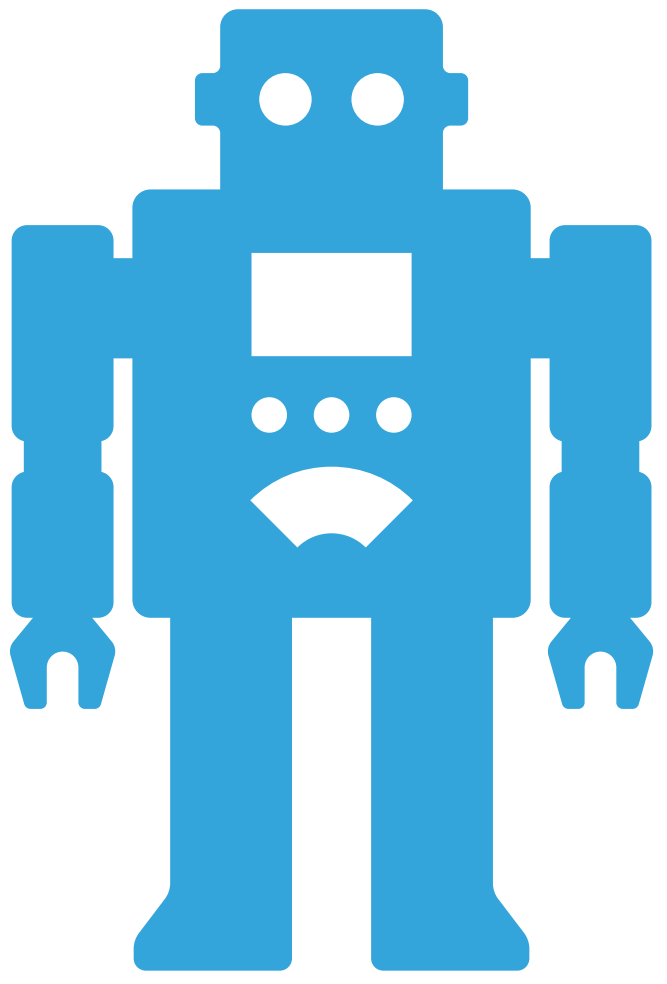
MELTDOWN & SPECTRE FOR NORMAL PEOPLE

CONFIDENTIAL BURGERS INC.

14

Confidential Burgers inc. sells burgers, pizza, and coffee.





Customer

Waiter

Pizza oven

Burger grill

Coffee machine

The waiter (CPU) will

1. take an order from a customer (CPU instruction)

2. break the order (instruction) down into micro operations (μOPs - grilling a burger, baking a pizza, ...)

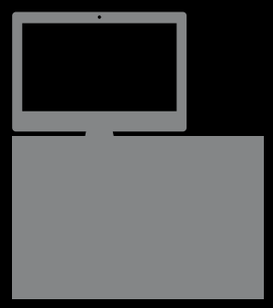
3. schedule and execute the µOPs

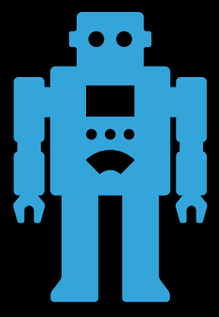
4. complete the order (retire the instruction)

Grand Opening Today

CONFIDENTIAL BURGERS INC. : SERIAL, IN ORDER EXECUTION

Customer





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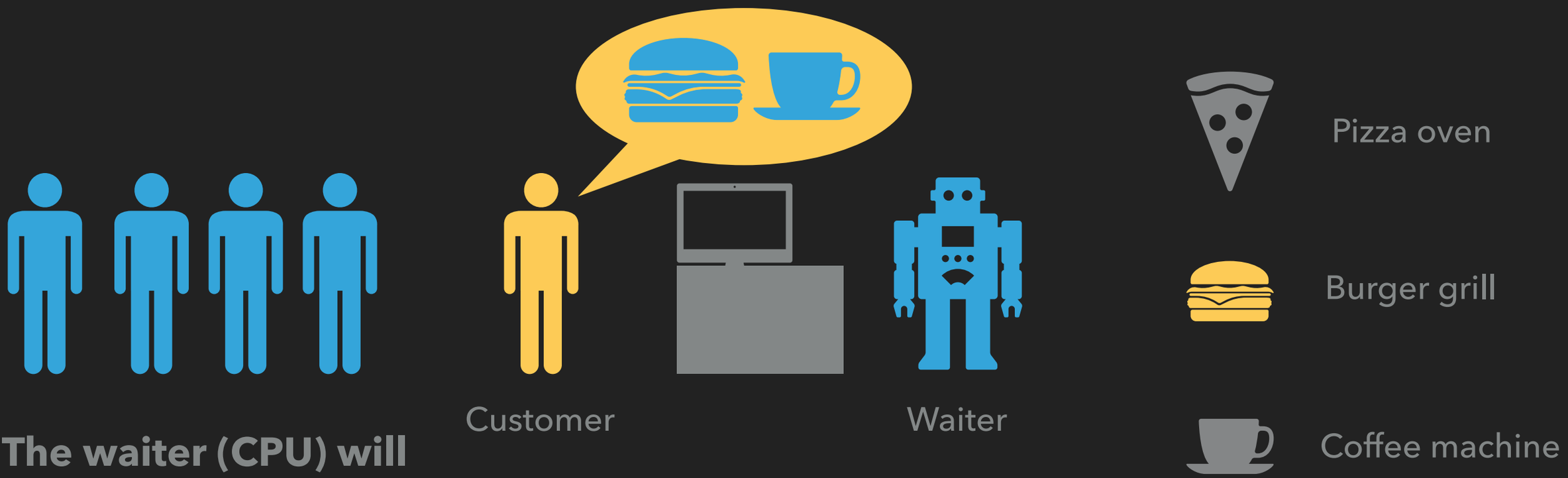

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1. **take an order from a customer (CPU instruction)**
2. **break the order (instruction) down into micro operations (μOPs - grilling a burger, baking a pizza, ...)**
3. **schedule and execute the μOPs**
4. **complete the order (retire the instruction)**