Restaurant

- waiter   - cashier
- cook   - rider

$\frac{10}{10}$ Good!

Waiter

- a list of menu item
- cook
- serve
  take order (menu_item)
  report check (menu_item)
  waiter
  state : - a list of menu item
          - cook
          - serve

Behaviors

take order (menu-item)

report check -

Sent order to cook
and bills to cashier

Cashier

report check
(menu-item)
state : -
Behaviors : report check
  calculate price and report
  to customer.

Cook

cookfood

Behaviors :
cook food

cook and
sent to rider

Rider

delivery

Behaviors : delivery
bring food to
customer

A sequence diagram with participants: **Customer**, **restaurant system** (containing **waiter**, **cashier**, **rider**, **cook**).

Messages:
- Customer → waiter: take order
- waiter → cashier: check
- cashier → waiter: receipt
- waiter → Customer: receipt
- Customer → waiter: Confirm order
- waiter → cook: cook food
- cook → rider: food
- rider → Customer: delivery