ERD05 - Cinema

Entities

- Customer
- Receipt
- Receipt-Position
- Product
- Cook
- Recipe
- Ingredient
- Employee
- Waiter

Attributes

Product

- name
- recipe-id
- price
- ready-made

Recipe

- id
- preparation-time
- product-name

Ingredient

- id
- origin
- ingredientType-id
- price

IngredientType

- id
- name

RecipeIngredientTypeAssignment

- ingredientType-id
- recipe-id
- count

Receipt

- id
- total
- (cashing Waiter) employee-id
- Customer-id

ReceiptPosition

- position
- Product-name
- quantity
- Receipt-id
- Employee-id

Cook

- Employee-id
- awardedstars

CookProductAssignment

- Employee-id
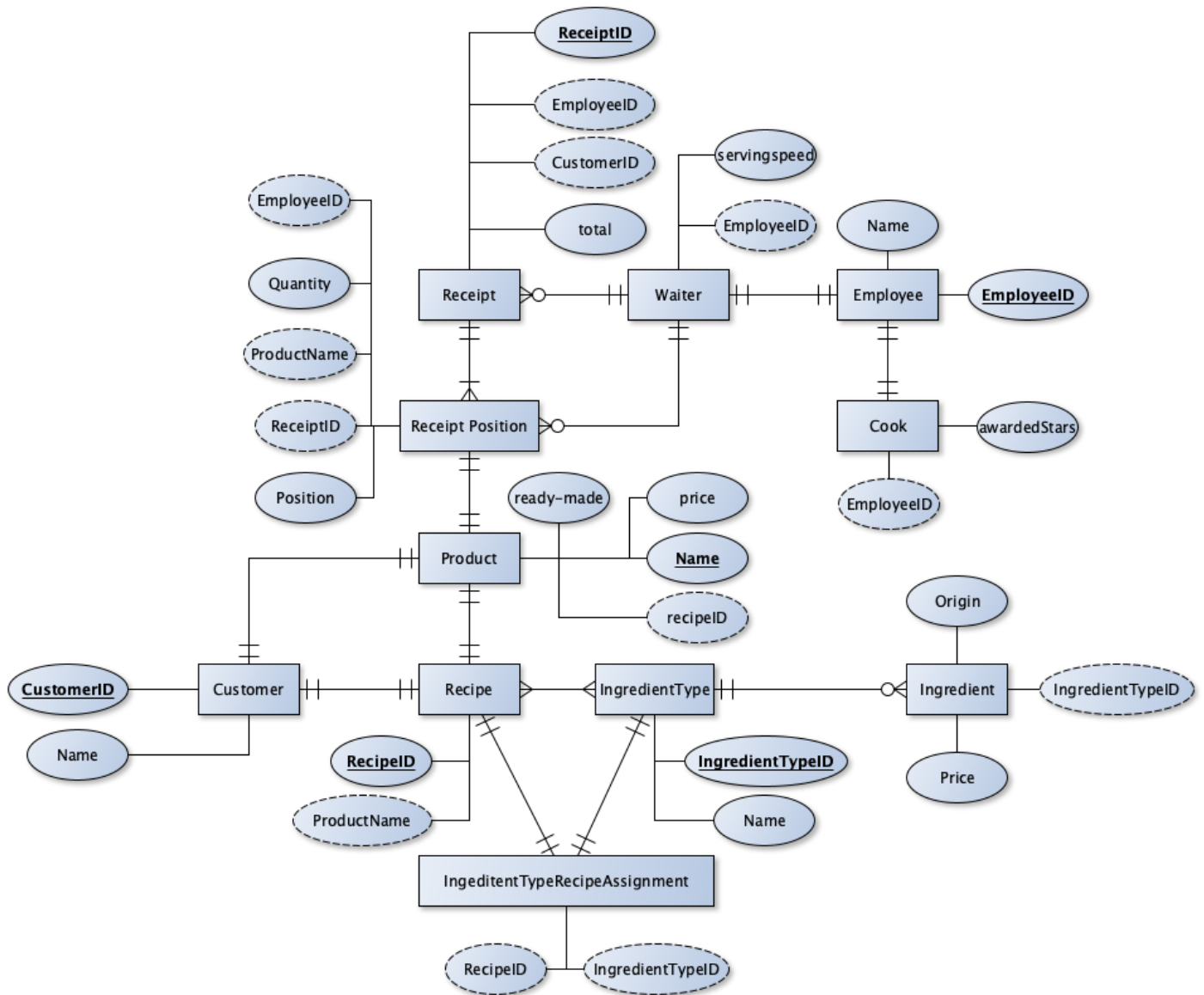- Product-id

Waiter

- Employee-id
- servingspeed

Employee

- id
- name

Customer

- id

1. ERD in Martin/Crow's Foot notation

2. Relations

- Customer=(**id**, name)
- Recipe=(`RecipeID` , `ProductName`)
- IngredientType=(**IngredientTypeID**, name)
- Ingredient=(origin, price, `IngredientTypeID`)
- Product=(ready-made, price, **name**, `recipeID`)
- ReceiptPosition=(position, `receiptID` , `productname` , quantity, `employeeID`)

- Receipt=(**receiptID**, `employeeID`, `customerID`, total)
- Waiter=(servingspeed, `employeeID`)
- Employee=(name, **employeeID**)
- Cook(awardedStars, `employeeID`)
- IngredientTypeRecipeAssignments=(`recipeID`, `ingredientTypeID`)

Notation

`foreign key`
primary key