

## MenuItem Class

### Attributes:

- **name**  
(str) The name of the drink.  
e.g. "latte"
- **cost**  
(float) The price of the drink.  
e.g 1.5
- **ingredients**  
(dictionary) The ingredients and amounts required to make the drink.  
e.g. {"water": 100, "coffee": 16}

## Menu Class

### Methods:

- **get\_items()**  
Returns all the names of the available menu items as a concatenated string.  
e.g. "latte/espresso/cappuccino"
- **find\_drink(order\_name)**  
Parameter order\_name: (str) The name of the drinks order.  
Searches the menu for a particular drink by name. Returns a `MenuItem` object if it exists, otherwise returns `None`.

## CoffeeMaker Class

### Methods:

- **report()**  
Prints a report of all resources.  
e.g.  
Water: 300ml  
Milk: 200ml  
Coffee: 100g
- **is\_resource\_sufficient(drink)**  
Parameter drink: (`MenuItem`) The `MenuItem` object to make.  
Prints a message if ingredients are insufficient.  
Returns `True` when the drink order can be made, `False` if ingredients are insufficient.  
e.g.  
`True`

- **make\_coffee(order)**

Parameter `order`: (`MenuItem`) The MenuItem object to make.

Deducts the required ingredients from the resources.

## MoneyMachine Class

### Methods:

- **report()**

Prints the current profit

e.g.

Money: \$0

- **make\_payment(cost)**

Parameter `cost`: (float) The cost of the drink.

Returns True when payment is accepted, or False if insufficient.

e.g. False