

Flowchart:

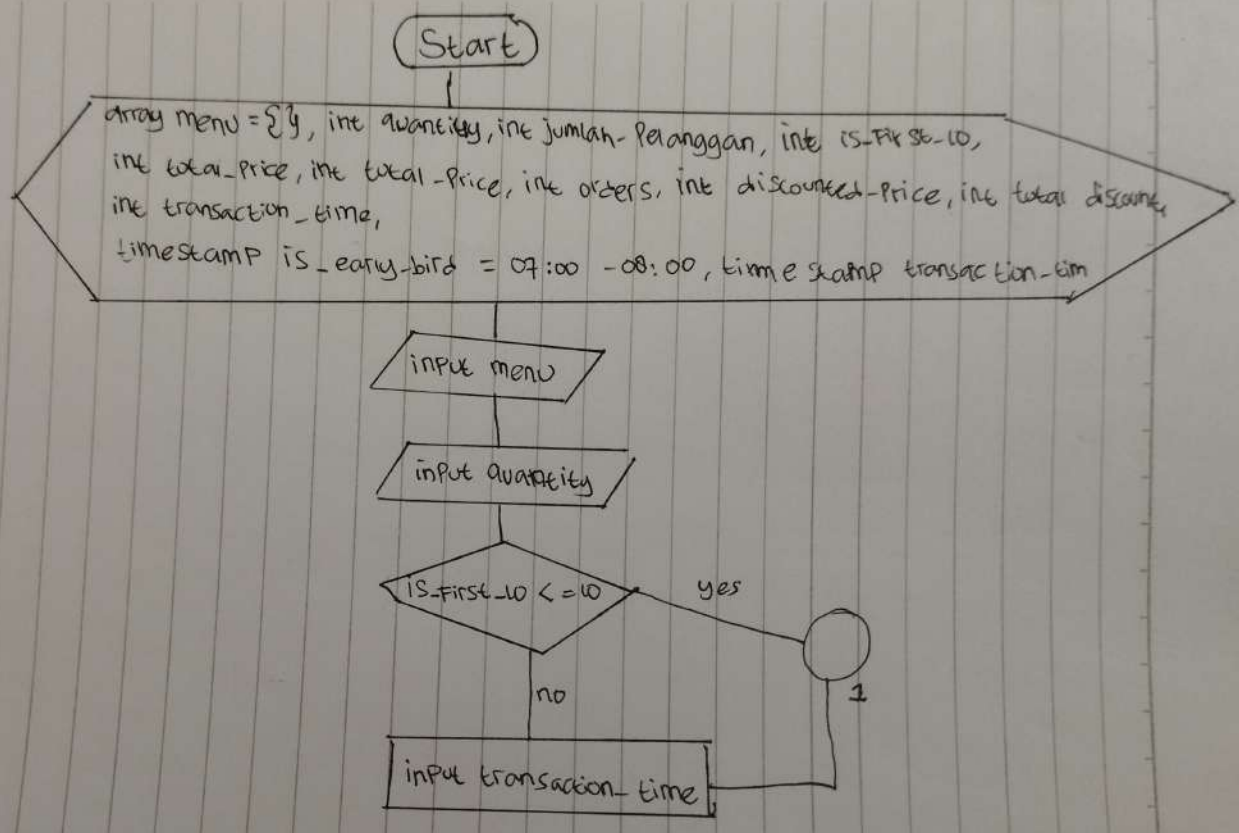
https://drive.google.com/file/d/1tFUHiwpiRGN88ApFqk0Z-fb0_SMAZ4Lz/view?usp=sharing

Source code:

https://github.com/silpia24/bpd/blob/main/midtest_kasir.py

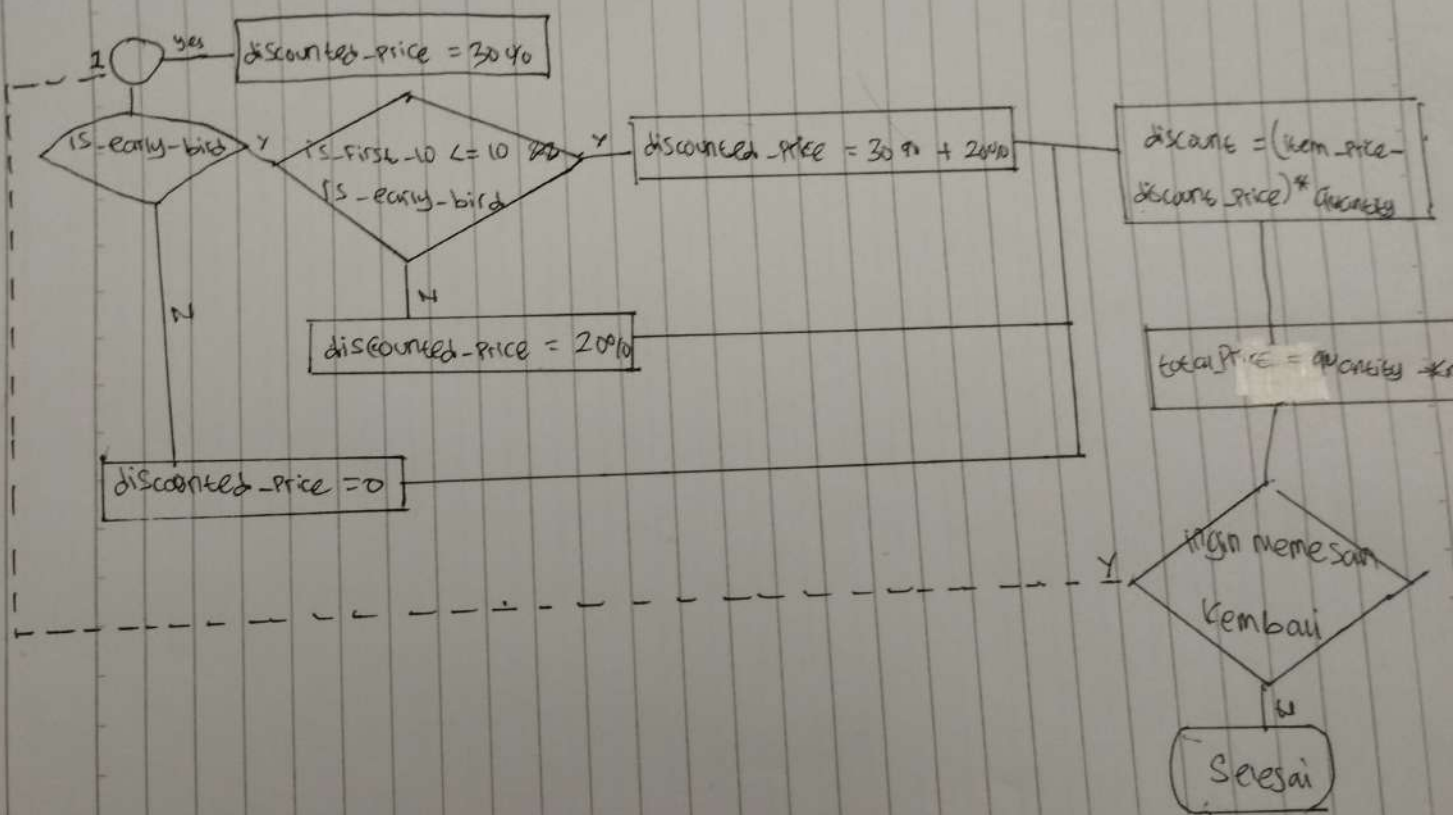
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2412510030 - Nurul Sirpia

```
from datetime import datetime
```

```
menu = {  
    1: ("Latte", 25000),  
    2: ("Cappuccino", 23000),  
    3: ("Americano", 20000),  
    4: ("Milk Tea", 21000)  
}
```

```
jumlah-Pelanggan = 0
```

```
while True:
```

```
    jumlah-Pelanggan += 1
```

```
    is-First-10 = jumlah-Pelanggan <= 10
```

```
    total-Price = 0
```

```
    total-discount = 0
```

```
    orders = []
```

```
    Print(f"Pelanggan ke-{jumlah-Pelanggan}")
```

```
    Print("\nMenu:")
```

```
    For key, value in menu.items():
```

```
        Print(f"{key}. {value[0]} : Rp. {value[1]:,}")
```

```
# Memesan menu
```

```
while True:
```

```
    try:
```

```
        menu-number = int(input("Masukan nomor menu: "))
```

```
    if menu-number not in menu:
```

```
        Print("Nomor menu tidak valid.\n")
```

```
        continue
```



```
quantity = int(input("jumlah Pesanan: "))
```

```
if quantity <= 0:
```

```
    Print("jumlah harus lebih dari 0.")
```

```
    continue
```

```
item_name, item_price = menu[menu_number]
```

```
discounted_price = item_price
```

```
if is_first_order:
```

```
    discounted_price *= 0.70
```

```
discounted = (item_price - discounted_price) * quantity
```

```
total_discounted += discount
```

```
total_price += discounted_price * quantity
```

```
orders.append(menu_number, item_name, quantity, item_price,  
               discount)
```

```
another_order = input("Apakah ingin memesan menu lain?  
(y/n): ").strip().lower()
```

```
if another_order != 'y':
```

```
    break
```

```
except ValueError:
```

```
    Print("Input tidak valid")
```

```
transaction_time = input("masukkan waktu transaksi: ").strip()
```

```
if transaction_time.lower() == "exit":
```

```
    break
```

```
try:
```

```
    transaction_time = datetime.strptime(transaction_time,  
                                         "%H:%M").time()
```

```
except ValueError:
```

```
    Print("Format waktu tidak valid")
```

```
    continue
```

```
is-early-bird = datetime.strptime("07:00", "%H:%M").time()
<= transaction_time <= datetime.strptime("08:00", "%H:%M").time()
```

IF is-early-bird or is-first-w:

total-price = 0

total-discount = 0

For order in orders:

item-price = menu[order[0]][1]

discounted-price *= 0.50

elif is-first-w:

discount-price *= 0.70

elif is-early-bird:

discounted-price *= 0.80

discount = (item-price - discounted-price) * order[0]

total-discount += discount

total-price += discounted-price * order[2]

Print("In Ringkasan Transaksi")

Print("Nomor Pelanggan Ke-{jumlah-pelanggan}: ")

Print("Waktu transaksi: {transaction_time}")

For order in orders:

Print("{order[2]} x {order[1]} (Rp. {order[3]:,.0f} per item) |

discount per item: Rp. {(order[4] / order[2]):,.0f} |

total diskon: Rp {order[4]:,.0f}")

IF is-first-w and is-early-bird:

Print("Diskon 50% Karena termasuk w pelanggan pertama & jam 07:00 - 08:00.")

▷ Run Code

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elif is_first_10:

Print ("30% Karena termasuk 10 Pelanggan Pertama")

elif is_early_bird:

Print ("Diskon 20 karena transaksi di jam 7:00-08:00")

Print ("Total diskon keseluruhan: Rp. {total_discount:,.0f}")

Print ("Total harga: Rp. {total_price:,.0f}\n")