

Web应用开发平时作业1

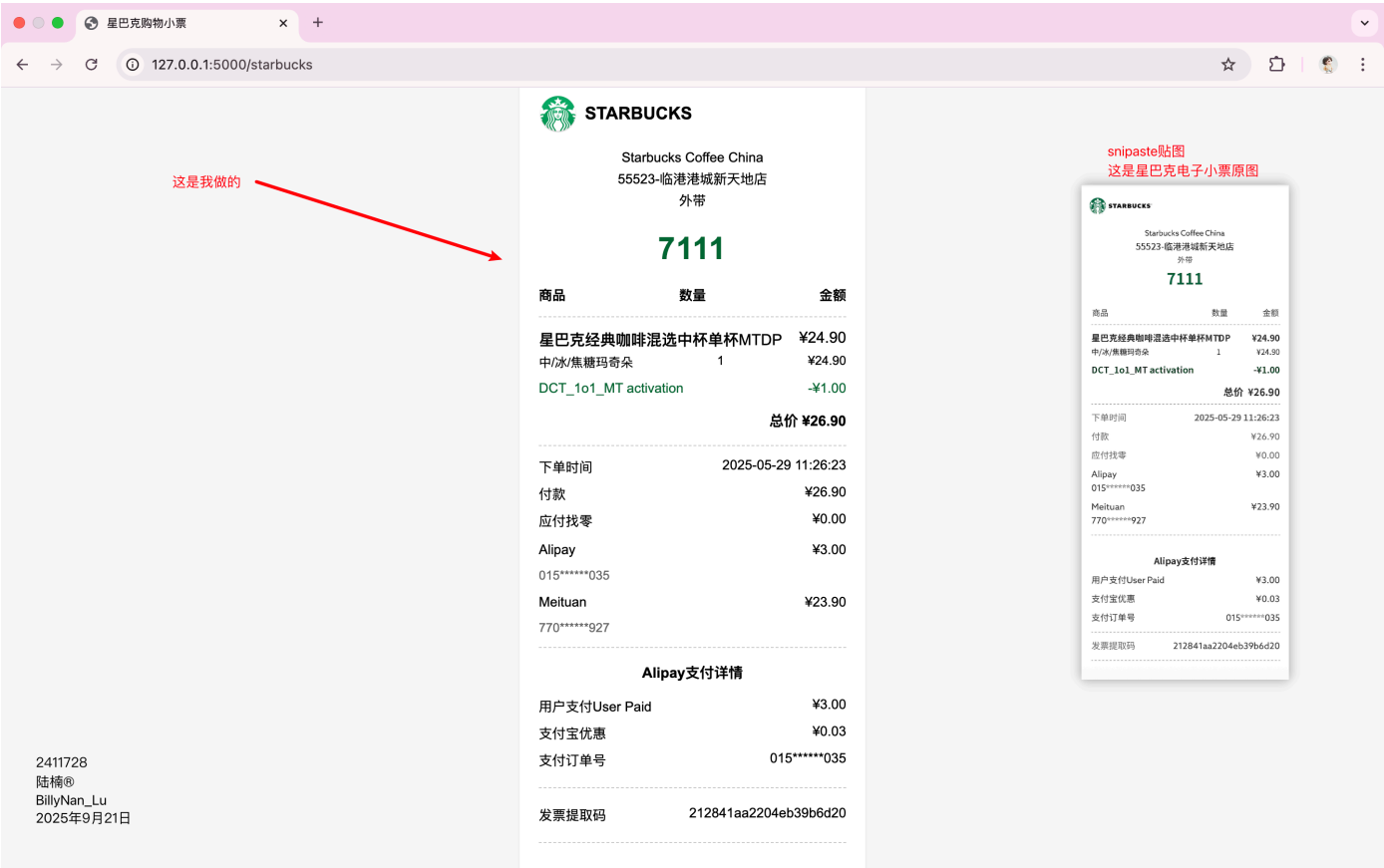
所有代码必须使用Python语言和Flask框架完成

1. 收集一张真实的纸质小票、收据、外卖单据等等（不限来源），利用ai工具转换成一个大致相同html网页模版。
2. 创建一个路由能够成功访问到该模版文件。
3. 将此模版中的静态资源比如图片，css样式表，js代码分离到本地文件中，并能成功引入加载到模版中。
4. 修改模版并模拟生成模版小票中的数据，比如 订单号，取餐码，名称，价格等等信息，并将该信息，通过传递变量方式，正确地将这些数据在模版中显示。**注意**修改后的模版中必须包含一个{% if ...%}选择结构和一个{% for %}循环结构。
5. 对于明显的需要通过计算的数据，比如总价等，应通过计算相应数据生成。
6. 在浏览器中运行成功后，拍照、截图或者录屏

请上传小票照片、所有相关代码文件和运行成功的截图。

GitHub代码仓库地址：<https://github.com/BillyNanLu/PythonWebFlask>

运行截图



小票原图





STARBUCKS®

Starbucks Coffee China

55523-临港港城新天地店

外带

7111

商品	数量	金额
----	----	----

星巴克经典咖啡混选中杯单杯MTDP		¥24.90
-------------------	--	--------

中/冰/焦糖玛奇朵	1	¥24.90
-----------	---	--------

DCT_1o1_MT activation		-¥1.00
-----------------------	--	--------

总价 ¥26.90

下单时间	2025-05-29 11:26:23
------	---------------------

付款	¥26.90
----	--------

应付找零	¥0.00
------	-------

Alipay	¥3.00
--------	-------

015*****035

小计	¥26.90
----	--------

Meituan

¥23.90

770*****927

Alipay支付详情

用户支付User Paid

¥3.00

支付宝优惠

¥0.03

支付订单号

015*****035

发票提取码

212841aa2204eb39b6d20

代码

仓库中week2下的assignments

```
1 from flask import Flask, render_template, flash, redirect, session, request, url_for
2
3 app = Flask(__name__, template_folder='templates')
4
5 @app.route('/starbucks')
6 def starbucks():
7     store_info = {
8         "store_no": "55523",
9         "store_name": "临港港城新天地店"
10    }
11    order = {
12        "order_number": "7111",
13        "product_price": 24.90,
14        "discount_price": 1.00,
15        "DP_method": "Meituan",
16        "DP_code": "770*****927",
```

```

17     "product_name" : [ "星巴克经典咖啡混选中杯单杯MTDP", "" ],
18     "product_details": [ "中/冰/焦糖玛奇朵", "1" ],
19     "discount_details": [ "DCT_101_MT activation", "" ],
20     "order_time": "2025-05-29 11:26:23",
21     "invoice_code": "212841aa2204eb39b6d20"
22 }
23 payment = {
24     "payment_method": "Alipay",
25     "payment_code": "015*****035",
26     "payment_money": 3.00,
27     "payment_discount": [ "支付宝优惠", "¥0.03" ]
28 }
29
30 return render_template(
31     "Starbucks.html",
32     **store_info,
33     **order,
34     **payment
35 )
36
37 if __name__ == '__main__':
38     app.run(debug=True, port=5000)

```

```

1 <!DOCTYPE html>
2 <html lang="zh-CN">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>星巴克购物小票</title>
7     <link rel="stylesheet" href="{{url_for('static',
filename='css/Starbucks.css')}}">
8
9 </head>
10 <body>
11     <div class="receipt">
12         <div class="logo">
13             
14             <span>STARBUCKS</span>
15         </div>
16
17         <div class="store-info">
18             <p>Starbucks Coffee China</p>
19             <p>{{store_no}}-{{store_name}}</p>
20             <p>外带</p>
21         </div>
22
23         <div class="order-number">{{order_number}}</div>
24
25         <div class="header-row">
26             <div class="header-item">商品</div>

```

```

27         <div class="header-item">数量</div>
28         <div class="header-item">金额</div>
29     </div>
30
31     <hr class="separator">
32
33     <div class="product">
34         <div class="product-name">
35             {% for product_name in product_name%}
36                 <div>{{product_name}}</div>
37             {% endfor %}
38             <div>¥{{ "%.2f" | format(product_price) }}</div>
39         </div>
40         <div class="product-details">
41             {% for product_details in product_details %}
42                 <div>{{product_details}}</div>
43             {% endfor %}
44             <div>¥{{ "%.2f" | format(product_price) }}</div>
45         </div>
46     </div>
47
48     <div class="discount">
49         {% if discount_price %}
50             {% for discount_details in discount_details %}
51                 <div>{{discount_details}}</div>
52             {% endfor %}
53             <div>-¥{{ "%.2f" | format(discount_price) }}</div>
54         {% else %}
55             {% endif %}
56     </div>
57
58     <div class="total">总价 ¥{{ "%.2f" | format(product_price - discount_price +
59 payment_money) }}</div>
60
61     <hr class="separator">
62
63     <div class="info-row">
64         <div>下单时间</div>
65         <div>{{order_time}}</div>
66     </div>
67
68     <div class="info-row">
69         <div>付款</div>
70         <div>¥{{ "%.2f" | format(product_price - discount_price +
71 payment_money) }}</div>
72     </div>
73
74     <div class="info-row">
75         <div>应付找零</div>
76         <div>¥0.00</div>
77     </div>

```

```

77     <div class="payment-method">
78         <div class="info-row">
79             <div class="payment-method-name">{{payment_method}}</div>
80             <div class="payment-amount">¥{{ "%.2f" | format(payment_money) }}
</div>
81         </div>
82         <div class="payment-method-number">{{payment_code}}</div>
83     </div>
84
85     <div class="payment-method">
86         <div class="info-row">
87             <div class="payment-method-name">{{DP_method}}</div>
88             <div class="payment-amount">¥{{ "%.2f" | format(product_price -
discount_price) }}</div>
89         </div>
90         <div class="payment-method-number">{{DP_code}}</div>
91     </div>
92
93     <hr class="separator">
94
95     <div class="payment-details">
96         <h3>{{payment_method}}支付详情</h3>
97
98         <div class="info-row">
99             <div>用户支付User Paid</div>
100             <div>¥{{ "%.2f" | format(payment_money) }}</div>
101         </div>
102
103         <div class="info-row">
104             {% if payment_discount %}
105                 {% for payment_discount in payment_discount %}
106                     <div>{{payment_discount}}</div>
107                 {% endfor %}
108             {% else %}
109                 {% endif %}
110         </div>
111
112         <div class="info-row">
113             <div>支付订单号</div>
114             <div>{{payment_code}}</div>
115         </div>
116     </div>
117
118     <hr class="final-separator">
119
120     <div class="info-row">
121         <div>发票提取码</div>
122         <div>{{invoice_code}}</div>
123     </div>
124
125     <hr class="final-separator">
126 </div>

```

```
127 </body>
128 </html>
```

```
1  body {
2      font-family: "Arial", "SimHei", sans-serif;
3      margin: 0 auto;
4      padding: 20px;
5      background-color: #f9f9f9;
6  }
7
8  .receipt {
9      width: 320px;
10     margin: 0 auto;
11     background-color: white;
12     padding: 25px 20px;
13     box-shadow: 0 1px 3px rgba(0,0,0,0.1);
14 }
15
16 .logo {
17     display: flex;
18     align-items: center;
19     margin-bottom: 15px;
20 }
21
22 .logo img {
23     width: 40px;
24     height: 40px;
25     margin-right: 8px;
26 }
27
28 .logo span {
29     font-size: 18px;
30     font-weight: bold;
31 }
32
33 .store-info {
34     text-align: center;
35     margin-bottom: 20px;
36     line-height: 1.6;
37 }
38
39 .store-info p {
40     margin: 0;
41     font-size: 14px;
42 }
43
44 .order-number {
45     text-align: center;
46     font-size: 32px;
47     font-weight: bold;
48     color: #006633;
```

```
49     margin: 20px 0;
50     letter-spacing: 1px;
51 }
52
53 .separator {
54     border: none;
55     border-top: 1px dashed #ccc;
56     margin: 12px 0;
57 }
58
59 .header-row {
60     display: flex;
61     justify-content: space-between;
62     font-size: 14px;
63     margin-bottom: 5px;
64 }
65
66 .header-item {
67     font-weight: bold;
68 }
69
70 .product {
71     margin: 10px 0;
72 }
73
74 .product-name {
75     font-weight: 500;
76     margin-bottom: 3px;
77     display: flex;
78     justify-content: space-between;
79 }
80
81 .product-details {
82     font-size: 13px;
83     margin-bottom: 5px;
84     display: flex;
85     justify-content: space-between;
86 }
87
88 .discount {
89     color: #006633;
90     font-size: 14px;
91     margin: 8px 0;
92     display: flex;
93     justify-content: space-between;
94 }
95
96 .total {
97     font-size: 15px;
98     font-weight: bold;
99     text-align: right;
100     margin: 15px 0;
```



```
101 }
102
103 .info-row {
104     display: flex;
105     justify-content: space-between;
106     margin: 8px 0;
107     font-size: 14px;
108 }
109
110 .payment-method {
111     margin: 12px 0;
112 }
113
114 .payment-method-name {
115     font-size: 14px;
116     margin-bottom: 3px;
117 }
118
119 .payment-method-number {
120     font-size: 13px;
121     color: #666;
122     margin-bottom: 3px;
123 }
124
125 .payment-amount {
126     text-align: right;
127     font-size: 14px;
128 }
129
130 .payment-details {
131     margin-top: 15px;
132 }
133
134 .payment-details h3 {
135     font-size: 15px;
136     text-align: center;
137     margin: 15px 0;
138     font-weight: 600;
139 }
140
141 .invoice-code {
142     font-size: 14px;
143     margin: 15px 0;
144 }
145
146 .final-separator {
147     border: none;
148     border-top: 1px dashed #ccc;
149     margin: 18px 0;
150 }
```