

```
1  from flask import Flask, render_template, request
2
3  from cs50 import SQL
4
5  app = Flask(__name__)
6
7  db = SQL("sqlite:///froshims.db")
8
9
10 @app.route("/")
11 def index():
12     q = request.args.get("q")
13     rows = db.execute("SELECT * FROM registrants WHERE name = :name", name=q)
14     return render_template("index.html", rows=rows)
```

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```
1 from cs50 import SQL
2
3 db = SQL("sqlite:///froshims.db")
4
5 rows = db.execute("SELECT * FROM registrants")
6
7 for row in rows:
8     print(f"{row['name']} registered")
```

```
1 {% extends "layout.html" %}
2
3 {% block body %}
4     <ul>
5         {% for row in rows %}
6             <li>{{ row["name"] }} registered</li>
7         {% endfor %}
8     </ul>
9 {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4   <head>
5     <meta content="initial-scale=1, width=device-width" name="viewport">
6     <title>froshims</title>
7   </head>
8   <body>
9     {% block body %}{% endblock %}
10  </body>
11 </html>
```

```
1 from flask import Flask, redirect, render_template, request, session
2 from flask_session import Session
3
4 # Configure app
5 app = Flask(__name__)
6
7 # Configure sessions
8 app.config["SESSION_PERMANENT"] = False
9 app.config["SESSION_TYPE"] = "filesystem"
10 Session(app)
11
12 # Items for sale
13 ITEMS = ["foo", "bar", "baz"]
14
15 @app.route("/")
16 def index():
17     return render_template("index.html")
18
19
20 @app.route("/update", methods=["POST"])
21 def update():
22     for item in request.form:
23         session[item] = int(request.form.get(item))
24     return redirect("/cart")
25
26
27 @app.route("/cart")
28 def cart():
29     return render_template("cart.html", cart=session)
```

```
1 {% extends "layout.html" %}
2
3 {% block body %}
4 <h1>Cart</h1>
5 {% for item in cart %}
6     {{ item }} : {{ cart[item] }}
7     <br/>
8 {% endfor %}
9 <p>
10     <a href="/">Continue shopping</a>.
11 </p>
12 {% endblock %}
```

```
1 {% extends "layout.html" %}
2
3 {% block body %}
4
5     <h1>Store</h1>
6     <form action="/update" method="post">
7         <input min="0" name="foo" type="number" value="0"> Foo
8         <input min="0" name="bar" type="number" value="0"> Bar
9         <input min="0" name="baz" type="number" value="0"> Baz
10        <input type="submit" value="Purchase">
11    </form>
12    <p>
13        View your <a href="/cart">shopping cart</a>.
14    </p>
15
16 {% endblock %}
```

```
1 <!DOCTYPE html>
2
3 <html lang="en">
4   <head>
5     <meta name="viewport" content="initial-scale=1, width=device-width">
6     <title>store</title>
7   </head>
8   <body>
9     {% block body %}{% endblock %}
10  </body>
11 </html>
```