```python
from flask import Flask, render_template, request

from cs50 import SQL

app = Flask(__name__)

db = SQL("sqlite:///froshims.db")

@app.route("/")
def index():
    q = request.args.get("q")
    rows = db.execute("SELECT * FROM registrants WHERE name = :name", name=q)
    return render_template("index.html", rows=rows)
```

```python
from cs50 import SQL

db = SQL("sqlite:///froshims.db")

rows = db.execute("SELECT * FROM registrants")

for row in rows:
    print(f"{row['name']} registered")
```

```
1    {% extends "layout.html" %}
2
3    {% block body %}
4
5        <ul>
6
7            {% for row in rows %}
8
9                <li>{{ row["name"] }} registered</li>
10
11            {% endfor %}
12
13        </ul>
14
15    {% endblock %}
```

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

```python
from flask import Flask, redirect, render_template, request, session
from flask_session import Session

# Configure app
app = Flask(__name__)

# Configure sessions
app.config["SESSION_PERMANENT"] = False
app.config["SESSION_TYPE"] = "filesystem"
Session(app)

# Items for sale
ITEMS = ["foo", "bar", "baz"]

@app.route("/")
def index():
    return render_template("index.html")


@app.route("/update", methods=["POST"])
def update():
    for item in request.form:
        session[item] = int(request.form.get(item))
    return redirect("/cart")


@app.route("/cart")
def cart():
    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    <h1>Store</h1>
5    <form action="/update" method="post">
6        <input min="0" name="foo" type="number" value="0"/> Foo
7        <br/>
8        <input min="0" name="bar" type="number" value="0"/> Bar
9        <br/>
10       <input min="0" name="baz" type="number" value="0"/> Baz
11       <br/>
12       <input type="submit" value="Purchase"/>
13   </form>
14   <p>
15       View your <a href="/cart">shopping cart</a>.
16   </p>
17   {% endblock %}
```

```
1    <!DOCTYPE html>
2
3    <html>
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>
```