

```
1  from cs50 import SQL
2  from flask import Flask, render_template, redirect, request
3
4  app = Flask(__name__)
5
6  db = SQL("sqlite:///froshims4.db")
7
8  @app.route("/")
9  def index():
10     return render_template("index.html")
11
12 @app.route("/register", methods=["POST"])
13 def register():
14     if not request.form.get("name") or not request.form.get("dorm"):
15         return render_template("failure.html")
16     db.execute("INSERT INTO registrants (name, dorm) VALUES(:name, :dorm)", name=request.form["name"], dorm=request.form["dorm"])
17     return render_template("success.html")
18
19 @app.route("/registrants")
20 def registrants():
21     rows = db.execute("SELECT * FROM registrants")
22     return render_template("registrants.html", registrants=rows)
23
24 @app.route("/unregister", methods=["GET", "POST"])
25 def unregister():
26     if request.method == "GET":
27         rows = db.execute("SELECT * FROM registrants")
28         return render_template("unregister.html", registrants=rows)
29     elif request.method == "POST":
30         if request.form["id"]:
31             db.execute("DELETE FROM registrants WHERE id = :id", id=request.form.get("id"))
32         return redirect("/registrants")
```

```
1 {% extends "layout.html" %}
2
3 {% block title %}
4 failure
5 {% endblock %}
6
7 {% block body %}
8 You must provide your name and dorm!
9 {% endblock %}
```

```
1  {% extends "layout.html" %}
2
3  {% block title %}
4  Frosh IMs
5  {% endblock %}
6
7  {% block body %}
8  <h1>Register for Frosh IMs</h1>
9  <form action="/register" method="post">
10     <input name="name" placeholder="Name" type="text">
11     <select name="dorm">
12         <option disabled selected value="">Dorm</option>
13         <option value="Apley Court">Apley Court</option>
14         <option value="Canaday">Canaday</option>
15         <option value="Grays">Grays</option>
16         <option value="Greenough">Greenough</option>
17         <option value="Hollis">Hollis</option>
18         <option value="Holworthy">Holworthy</option>
19         <option value="Hurlbut">Hurlbut</option>
20         <option value="Lionel">Lionel</option>
21         <option value="Matthews">Matthews</option>
22         <option value="Mower">Mower</option>
23         <option value="Pennypacker">Pennypacker</option>
24         <option value="Stoughton">Stoughton</option>
25         <option value="Straus">Straus</option>
26         <option value="Thayer">Thayer</option>
27         <option value="Weld">Weld</option>
28         <option value="Wigglesworth">Wigglesworth</option>
29     </select>
30     <br>
31     <input type="submit" value="Register">
32 </form>
33 {% endblock %}
```

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

```
1  {% extends "layout.html" %}
2
3  {% block title %}
4      registrants
5  {% endblock %}
6
7  {% block body %}
8  <ul>
9      {% for registrant in registrants %}
10         <li>{{ registrant.name }} from {{ registrant.dorm }}</li>
11     {% endfor %}
12 </ul>
13 {% endblock %}
```

```
1 {% extends "layout.html" %}
2
3 {% block title %}
4 success
5 {% endblock %}
6
7 {% block body %}
8 You are registered! (Really.)
9 {% endblock %}
```

```
1  {% extends "layout.html" %}
2
3  {% block title %}
4      registrants
5  {% endblock %}
6
7  {% block body %}
8  <form action="/unregister" method="post">
9      <ul>
10         {% for registrant in registrants %}
11             <li><input name="id" type="radio" value="{{ registrant.id }}" /> {{ registrant.name }} from {{ registra
12             nt.dorm }}</li>
13         {% endfor %}
14     </ul>
15     <input type="submit" value="Unregister">
16 </form>
17 {% endblock %}
```