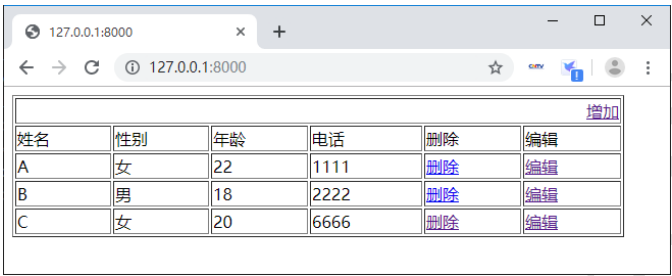


模块 综合实训

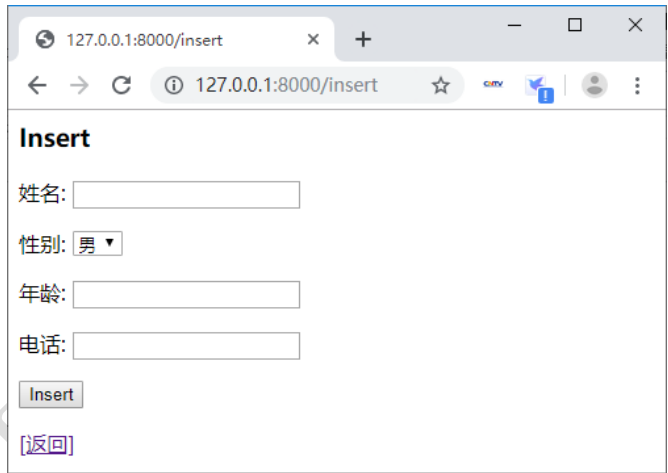
一、项目：人员记录的管理

- 显示记录
- 删除记录
- 增加记录
- 更新记录



姓名	性别	年龄	电话	删除	编辑
A	女	22	1111	删除	编辑
B	男	18	2222	删除	编辑
C	女	20	6666	删除	编辑

显示记录



Insert

姓名:

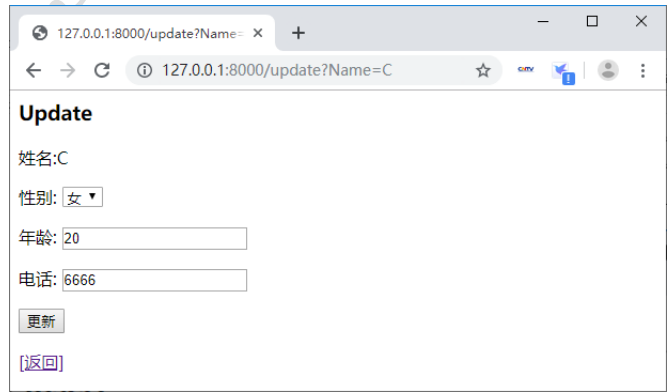
性别:

年龄:

电话:

[\[返回\]](#)

增加记录



Update

姓名: C

性别:

年龄:

电话:

[\[返回\]](#)

更新记录

二、程序设计

(*) demo\urls.py

```
from django.conf.urls import url
import person.views

urlpatterns = [
    url(r'from django.contrib import admin
from django.urls import path
from django.conf.urls import url
from person import views

urlpatterns = [
    url(r'^$', views.show),
    url(r'^insert$', views.insert),
    url(r'^update$', views.update)
]
```

(*) person\forms.py

```
from django import forms

class PersonInsertForm(forms.Form):
    SEX=[["M","男"],["F","女"]]
    Name=forms.CharField(label="姓名",max_length=16,required=True)
    Sex=forms.ChoiceField(label="性别",choices=SEX,initial="M")
    Age=forms.IntegerField(label="年龄")
    Tel=forms.CharField(label="电话")

class PersonUpdateForm(forms.Form):
    SEX=[["M","男"],["F","女"]]
    Sex=forms.ChoiceField(label="性别",choices=SEX,initial="M")
    Age=forms.IntegerField(label="年龄")
    Tel=forms.CharField(label="电话")
```

(*) perosn\models.py

```
from django.db import models

# Create your models here.

class PersonModel(models.Model):
    pName=models.CharField(primary_key=True,max_length=128,null=False)
    pSex=models.CharField(max_length=8,null=False)
    pAge=models.IntegerField()
```

```
pTel=models.CharField(max_length=128,null=True)
```

(*) migrate.py

```
import os
os.system("python manage.py makemigrations")
os.system("python manage.py migrate")
```

(*) person\views.py

```
from django.shortcuts import render
from person.forms import PersonInsertForm, PersonUpdateForm
from person.models import PersonModel

def show(request):
    Name=request.GET.get("Name","")
    if Name:
        try:
            PersonModel.objects.filter(pName=Name).delete()
        except:
            pass
    persons=PersonModel.objects.all()
    return render(request,"show.html",locals())

def insert(request):
    if request.method=="POST":
        form=PersonInsertForm(request.POST)
        if form.is_valid():
            Name=request.POST.get("Name")
            Sex = request.POST.get("Sex")
            Age = request.POST.get("Age")
            if Age=="":
                Age=0
            else:
                Age=int(Age)
            Tel = request.POST.get("Tel")
            try:
                PersonModel.objects.create(pName=Name,pSex=Sex,pAge=Age
,pTel=Tel)
                msg="增加成功"
            except:
```

```

        msg="增加失败"
    else:
        form=PersonInsertForm()
    return render(request,"insert.html",locals())

def update(request):
    if request.method=="POST":
        form=PersonUpdateForm(request.POST)
        if form.is_valid():
            Name=request.POST.get("Name")
            Sex = request.POST.get("Sex")
            Age = request.POST.get("Age")
            if Age=="":
                Age=0
            else:
                Age=int(Age)
            Tel = request.POST.get("Tel")
            try:
                PersonModel.objects.filter(pName=Name).update(pSex=Sex,
pAge=Age,pTel=Tel)
                msg="更新成功"
            except:
                msg="更新失败"
        else:
            Name=request.GET.get("Name","")
            if Name:
                person=PersonModel.objects.get(pName=Name)
                data={"Name":person.pName,"Sex":person.pSex,"Age":person.pAge,"Tel":person.pTel}
                form=PersonUpdateForm(data)
            else:
                form=PersonUpdateForm()
    return render(request,"update.html",locals())

```

(*) templates\show.html

```

<html>
<body>
<table border="1" width="600">
    <tr><td colspan="6" align="right"><a href="insert">增加
</a></td></tr>

```

```

    <tr><td>姓名</td><td>性别</td><td>年龄</td><td>电话</td><td>删除
</td><td>编辑</td></tr>
{% for person in persons %}
    <tr>
        <td>{{person.pName}}</td>
        <td>{% if person.pSex == "M" %}男{% else %}女{% endif %}</td>
        <td>{{person.pAge}}</td>
        <td>{{person.pTel}}</td>
        <td><a href="?Name={{person.pName}}">删除</a></td>
        <td><a href="update?Name={{person.pName}}">编辑</a></td>
    </tr>
{% endfor %}
</table>
</body>
</html>

```

(*) templates\insert.py

```

<h3>Insert</h3>
<div>
    <form name="frm" id="frm" method="post" action="insert">
        {{form.as_p}}
        <input type="submit" value="Insert">
    </form>
    <div>{{msg}}</div>
</div>
<div><a href="/">[返回]</a></div>

```

(*) templates\update.html

```

<h3>Update</h3>
<div>
    <form name="frm" id="frm" action="update" method="post">
        <p>姓名:{{Name}}</p>
        <input type="hidden" name="Name" value="{{Name}}" />
        {{form.as_p}}
        <input type="submit" value="更新">
    </form>
    <div>{{msg}}</div>
</div>
<div><a href="/">[返回]</a></div>

```

(*) settings.py

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'person'  
]
```

```
TEMPLATES = [  
    {  
        'BACKEND': 'django.template.backends.django.DjangoTemplates',  
        'DIRS': [os.path.join(BASE_DIR, "templates")],  
        'APP_DIRS': True,  
        'OPTIONS': {  
            'context_processors': [  
                'django.template.context_processors.debug',  
                'django.template.context_processors.request',  
                'django.contrib.auth.context_processors.auth',  
                'django.contrib.messages.context_processors.messages',  
            ],  
        },  
    },  
]
```

```
DATABASES = {  
    'default': {  
        'ENGINE': 'django.db.backends.sqlite3',  
        'NAME': os.path.join(BASE_DIR, 'persons.db'),  
    }  
}
```

(*) 目录结构

