

//main view

<h1>Study Management</h1>

<table>

<tr>

<th>Study Name</th>

<th>Study Phase</th>

<th>Sponsor Name</th>

<th>Actions</th>

</tr>

{% for study in studies %}

<tr>

<td>{{ study.study_name }}</td>

<td>{{ study.study_phase }}</td>

<td>{{ study.sponsor_name }}</td>

<td>

View |

Edit |

Delete

</td>

</tr>

{% endfor %}

</table>

Add Study

//add_study.html

```
<h1>Add Study</h1>

<form method="post">

    {% csrf_token %}

    <label>Study Name:</label>

    <input type="text" name="study_name"><br>

    <label>Study Description:</label>

    <textarea name="study_description"></textarea><br>

    <label>Study Phase:</label>

    <select name="study_phase">

        <option value="Phase I">Phase I</option>

        <option value="Phase II">Phase II</option>

        <option value="Phase III">Phase III</option>

        <option value="Phase IV">Phase IV</option>

    </select><br>

    <label>Sponsor Name:</label>

    <input type="text" name="sponsor_name"><br>

    <button type="submit">Save</button>

    <a href="{% url 'main_view' %}">Cancel</a>

</form>
```

View_study.html

```
<h1>View Study</h1>

<p>Study Name: {{ study.study_name }}</p>

<p>Study Description: {{ study.study_description }}</p>

<p>Study Phase: {{ study.study_phase }}</p>

<p>Sponsor Name: {{ study.sponsor_name }}</p>
```

[Back]({% url 'main_view' %})

Edit_study.html

Edit Study

{% csrf_token %}

Study Name:

Study Description:

Study Phase:

☐

☐

☐

☐

</select>

Sponsor Name:

[Cancel]({% url 'main_view' %})

</form>

Models.py

```
from django.db import models
```

```
class Study(models.Model):
```

```
    # Choices for the study phase field
```

```
    STUDY_PHASE_CHOICES = [
```

```
        ('Phase I', 'Phase I'),
```

```
        ('Phase II', 'Phase II'),
```

```
        ('Phase III', 'Phase III'),
```

```
        ('Phase IV', 'Phase IV'),
```

```
    ]
```

```
    # Fields for the Study model
```

```
    study_name = models.CharField(max_length=255) # Name of the study
```

```
    study_description = models.TextField()      # Description of the study
```

```
    study_phase = models.CharField(            # Phase of the study, using predefined choices
```

```
        max_length=50,
```

```
        choices=STUDY_PHASE_CHOICES,
```

```
    )
```

```
    sponsor_name = models.CharField(max_length=255) # Sponsor's name
```

```
from django import forms
```

```
from .models import Study
```

```
class StudyForm(forms.ModelForm):
```

```
    class Meta:
```

```
        model = Study
```

```

fields = ['study_name', 'study_description', 'study_phase', 'sponsor_name']

# Customizing form widgets

widgets = {

    'study_name': forms.TextInput(attrs={'class': 'form-control', 'placeholder': 'Enter Study Name'}),

    'study_description': forms.Textarea(attrs={'class': 'form-control', 'placeholder': 'Enter Study Description'}),

    'study_phase': forms.Select(attrs={'class': 'form-control'}),

    'sponsor_name': forms.TextInput(attrs={'class': 'form-control', 'placeholder': 'Enter Sponsor Name'}),

```

Forms.py

```

labels = {

    'study_name': 'Study Name',

    'study_description': 'Study Description',

    'study_phase': 'Study Phase',

    'sponsor_name': 'Sponsor Name',

}

```

Urls.py

```

from django.urls import path

from . import views

urlpatterns = [

    path('', views.main_view, name='main_view'), # Main page with study list

    path('add/', views.add_study, name='add_study'), # Add a new study

    path('view/<int:pk>/', views.view_study, name='view_study'),

```

```
# View details of a study

path('edit/<int:pk>/', views.edit_study, name='edit_study'), # Edit a study

path('delete/<int:pk>/', views.delete_study, name='delete_study'), # Delete a study

]
```

Setting.py

```
from pathlib import Path
```

```
# Base Directory
```

```
BASE_DIR = Path(__file__).resolve().parent.parent
```

```
# Security Settings
```

```
SECRET_KEY = 'your-secret-key' # Replace with your actual secret key
```

```
DEBUG = True # Set to False in production
```

```
ALLOWED_HOSTS = [] # Add your domain/IP in production
```

```
# Installed Apps
```

```
INSTALLED_APPS = [
```

```
    'django.contrib.admin',
```

```
    'django.contrib.auth',
```

```
    'django.contrib.contenttypes',
```

```
    'django.contrib.sessions',
```

```
    'django.contrib.messages',
```

```
    'django.contrib.staticfiles',
```

```
    'studies', # Add the studies app here
```

```
]
```

```
# Middleware
```

```
MIDDLEWARE = [
```

```
'django.middleware.security.SecurityMiddleware',
'django.contrib.sessions.middleware.SessionMiddleware',
'django.middleware.common.CommonMiddleware',
'django.middleware.csrf.CsrfViewMiddleware',
'django.contrib.auth.middleware.AuthenticationMiddleware',
'django.contrib.messages.middleware.MessageMiddleware',
'django.middleware.clickjacking.XFrameOptionsMiddleware',
]
```

```
# URL Configuration
```

```
ROOT_URLCONF = 'StudyManagement.urls'
```

```
# Templates
```

```
TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [BASE_DIR / 'templates'], # Add if you use a global templates directory
        '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',
            ],
        },
    ],
]
```

```
# WSGI Application
```

```
WSGI_APPLICATION = 'StudyManagement.wsgi.application'
```

```
# Database Configuration
```

```
DATABASES = {
```

```
    'default': {
```

```
        'ENGINE': 'django.db.backends.mysql', # Use MySQL or other database
```

```
        'NAME': 'study_db', # Replace with your database name
```

```
        'USER': 'your_username', # Replace with your database username
```

```
        'PASSWORD': 'your_password', # Replace with your database password
```

```
        'HOST': 'localhost', # Use your database host
```

```
        'PORT': '3306', # Default MySQL port
```

```
    }
```

```
}
```

```
# Password Validation
```

```
AUTH_PASSWORD_VALIDATORS = [
```

```
    {
```

```
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
```

```
    },
```

```
    {
```

```
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
```

```
    },
```

```
    {
```

```
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
```

```
    },
```

```
    {
```



```
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]
```

Internationalization

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_TZ = True

Static Files

STATIC_URL = '/static/'

STATICFILES_DIRS = [BASE_DIR / 'static']

Media Files (Optional, if uploading files)

MEDIA_URL = '/media/'

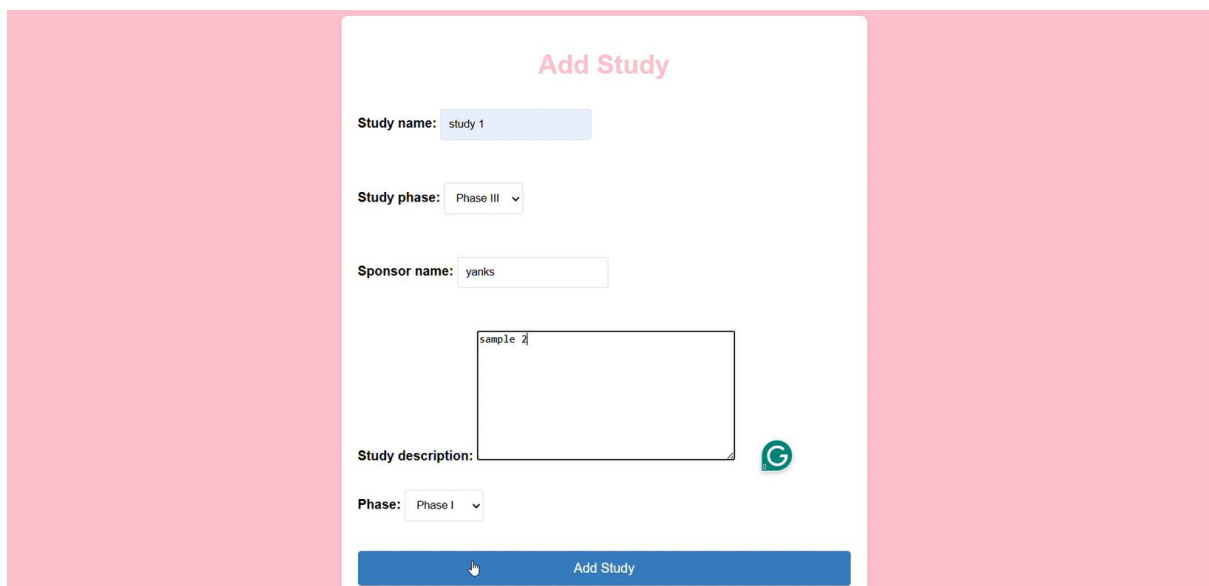
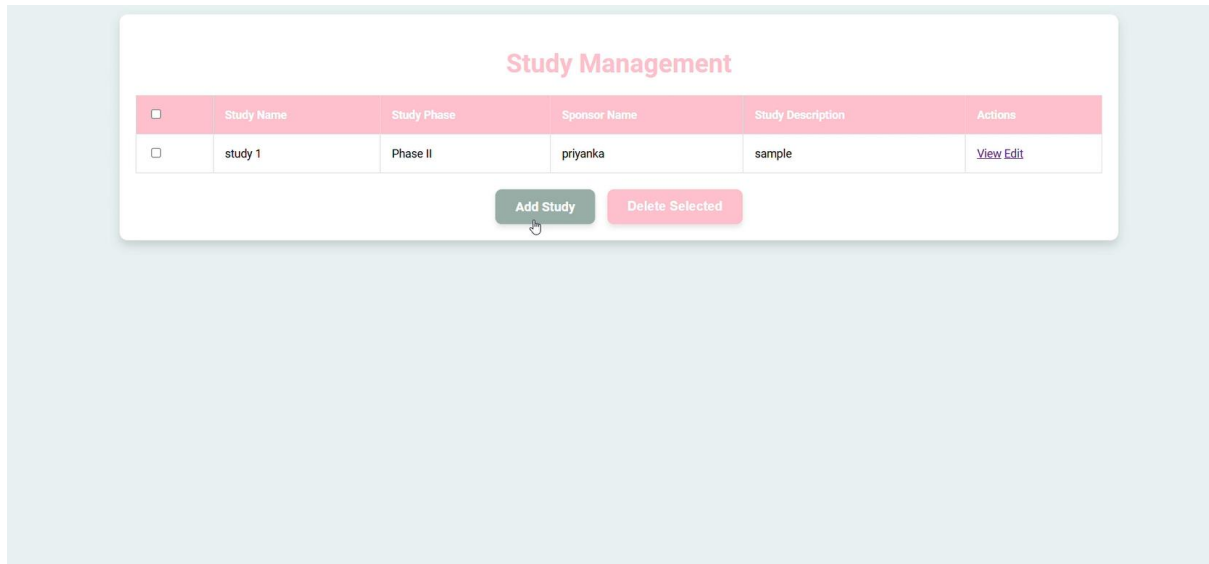
MEDIA_ROOT = BASE_DIR / 'media'

Default Primary Key Field Type

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'

Output:

SCREENSHOTS



Study Management

<input type="checkbox"/>	Study Name	Study Phase	Sponsor Name	Study Description	Actions
<input type="checkbox"/>	study 1	Phase II	priyanka	sample	View Edit
<input type="checkbox"/>	study 1	Phase III	yanks	sample 2	View Edit

Add StudyDelete Selected

View Study

Study Name: study 1
Study Description: sample 2
Study Phase: Phase III
Sponsor Name: yanks

Cancel

Study Management

<input type="checkbox"/>	Study Name	Study Phase	Sponsor Name	Study Description	Actions
<input checked="" type="checkbox"/>	study 1	Phase II	priyanka	sample	View Edit
<input type="checkbox"/>	study 1	Phase III	yankaaa	sample 2	View Edit

Add Study

Delete Selected

Study Management

<input type="checkbox"/>	Study Name	Study Phase	Sponsor Name	Study Description	Actions
<input type="checkbox"/>	study 1	Phase III	yankaaa	sample 2	View Edit

Add Study

Delete Selected