

Jobs app admin.py

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Your code

```
1 """Register the models for the 'jobs' app for admin panel"""
2 from django.contrib import admin
3 from .models import Job
4
5
6 @admin.register(Job)
7 class JobAdmin(admin.ModelAdmin):
8     """
9     Job model - admin set up:
```

Jobs app models.py

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Your code

```
1 """Models for the 'jobs' app (create, view, edit, delete jobs)"""
2 from django.db import models
3 from django.contrib.auth.models import User
4
5 FULL_OR_PART = ((0, 'Full-time'), (1, 'Part-time'))
6
7
8 class Job(models.Model):
9     """ Model for Job records that user adds from frontend form """
```

Jobs app forms.py

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Your code

```
1 """Forms for the 'jobs' app - add job and edit job """
2 from django import forms
3 from django.core.exceptions import NON_FIELD_ERRORS, ValidationError
4 from .models import Job
5
6
7 class AddJobForm(forms.ModelForm):
8     """ Form for user to add or edit a job from My Jobs page """
9     class Meta:
10         """
11         Based on Job model, all fields except added by.Helptext for finish date
12         Widget for date fields to show format to user & include the date picker
```

Jobs app test_forms.py

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Your code

```
1 """Unit tests for Forms for 'jobs' app"""
2 from django.test import TestCase
3 from .forms import AddJobForm
4
5
6 class TestAddJobForm(TestCase):
7     """Test the Add Job form """
8
```

Jobs app test_models.py

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Your code

```
1 """Unit tests for Models for 'jobs' app"""
2 from django.test import TestCase
3 from django.db import IntegrityError
4 from django.contrib.auth.models import User
5 from .models import Job
6
7
8 class TestModels(TestCase):
9     """To test the model for 'jobs' app"""
10     @classmethod
```

Jobs app urls.py

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Your code

```
1 """URL paths for the 'jobs' app (add, view, edit, delete jobs)"""
2 from django.urls import path
3 from . import views
4
5 urlpatterns = [
6     path('', views.MyJobs.as_view(), name='my_jobs'),
7     path('add/', views.AddJob.as_view(), name='add_job'),
8     path('success/', views.AddJobSuccess.as_view(), name='add_job_success'),
9     path('edit/<job_id>', views.EditJob.as_view(), name='edit_job'),
10    path('delete/<job_id>', views.DeleteJob.as_view(), name='delete_job')
11 ]
12
```

Jobs app test_views.py

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Your code

```
1 """Unit tests for Views for 'jobs' app"""
2 from django.test import TestCase
3 from django.contrib.auth.models import User
4 from django.contrib.messages import get_messages
5 from .models import Job
6
7
8 class TestMyJobsListView(TestCase):
9     """ To test the MyJobs listview """
10    @classmethod
11    def setUpTestData(cls):
```

Jobs app views.py

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Your code

```
1 """Views for the 'jobs' app (create, view, edit, delete jobs)"""
2 from django.shortcuts import render, redirect, get_object_or_404
3 from django.views import generic, View
4 from django.contrib.auth.mixins import LoginRequiredMixin
5 from django.contrib import messages
6 from django.http import Http404
7 from .models import Job
8 from .forms import AddJobForm
9
10
11 class MyJobs(LoginRequiredMixin, generic.ListView):
12     """
13     My Jobs page view, displays list of jobs added by user, 6 jobs per page
14     If user not logged in, redirects to login page, then to jobs once signed in
```

Pages app test_views.py

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Your code

```
1 """Unit tests for Views for 'pages' app (static pages)"""
2 from django.test import TestCase
3
4 # Create your tests here.
5
6
7 class TestViews(TestCase):
8     """To test the views for 'pages' app which handles static pages"""
9     def test_home_page_view(self):
```

Jobs app views.py

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Your code

```
1 """Views for the 'pages' app (static pages)"""
2 from django.shortcuts import render
3 from django.views import generic
4
5 # Create your views here.
6
7
8 class HomePage(generic.TemplateView):
9     """Home Page view - static page, no model"""
10     template_name = 'index.html'
11
```

Pages app urls.py

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Your code

```
1 """URL paths for the 'pages' app (static pages)"""
2 from django.urls import path
3 from . import views
4
5 urlpatterns = [
6     path('', views.HomePage.as_view(), name='home'),
7 ]
8
```

Pensionpal urls.py

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Your code

```
12 Including another URLconf
13     1. Import the include() function: from django.urls import include, path
14     2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 """
16 from django.contrib import admin
17 from django.urls import path, include
18
19 urlpatterns = [
20     path('admin/', admin.site.urls),
21     path('accounts/', include('allauth.urls')),
22     path('', include('pages.urls'), name='pages_urls'),
23     path('jobs/', include('jobs.urls'), name='jobs_urls'),
24     path('pensions/', include('pensions.urls'), name='pensions_urls'),
25 ]
26
```

Pensions app models.py

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Your code

```
1 """Models for the 'pensions' app (create, view, edit, delete pensions)"""
2 from django.db import models
3 from django.contrib.auth.models import User
4 from cloudinary.models import CloudinaryField
5 from jobs.models import Job
6
7 STATUS = ((0, 'Active'), (1, 'Not active'))
8 PENSION_TYPE = (
9     (0, 'Occupational Pension Scheme'),
10    (1, 'PRSA').
```

Pensions app admin.py

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Your code

```
1 """Register the models for the 'pensions' app for admin panel"""
2 from django.contrib import admin
3 from .models import Provider, Pension
4
5
6 @admin.register(Provider)
7 class ProviderAdmin(admin.ModelAdmin):
8     """
9     Provider model - admin set up:
10     Show all fields in list display, allow filtering by status
```

Pensions app test_forms.py

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Your code

```
1 """Unit tests for Forms for 'pensions' app"""
2 import os
3 from django.test import TestCase
4 from django.contrib.auth.models import User
5 from django.core.files.uploadedfile import SimpleUploadedFile
6 from jobs.models import Job
7 from .forms import PensionForm
8 from .models import Provider
9
10 # test files for file field testing located here
11 TEST_DIR = os.path.join(
12     os.path.dirname(os.path.dirname(os.path.abspath(__file__))),
13     'data')
```

Pensions app forms.py

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Your code

```
1 """Form for 'pensions' app to create/edit a Pension"""
2 from django import forms
3 from django.core.exceptions import ValidationError
4 from jobs.models import Job
5 from .models import Pension, Provider
6
7
8 class PensionForm(forms.ModelForm):
9     """
10     Frontend form for user to add or edit a Pension record.
11     Employment field is restricted to jobs for that user in the
```

Pensions app urls.py

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Your code

```
1 """URL paths for the 'pensions' app (add, view, edit, delete pension)"""
2 from django.urls import path
3 from . import views
4
5 urlpatterns = [
6     path('', views.MyPensions.as_view(), name='my_pensions'),
7     path('add/', views.AddPension.as_view(), name='add_pension'),
8     path(
9         'success/<pension_id>',
10        views.AddPensionSuccess.as_view(),
```

Pensions app test_models.py

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Your code

```
1 """Unit tests for Models for 'jobs' app"""
2 from django.test import TestCase
3 from django.db import IntegrityError
4 from django.contrib.auth.models import User
5 from jobs.models import Job
6 from .models import Provider, Pension
7
8
9 class TestProviderModel(TestCase):
10     """tests for Provider model in pensions app"""
11     def test_status_defaults_to_active(self):
```

Pensions app views.py

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Your code

```
1 """Views for the pensions app"""
2 from django.shortcuts import render, redirect, get_object_or_404, reverse
3 from django.views import generic, View
4 from django.contrib.auth.mixins import LoginRequiredMixin
5 from django.contrib import messages
6 from django.http import Http404
7 from jobs.models import Job
8 from .forms import PensionForm
9 from .models import Pension, Provider
10
11
12 class MyPensions(LoginRequiredMixin, generic.ListView):
13     """My Pensions page view"""
14     model = Pension
15     template_name = 'my-pensions.html'
```

Pensions app test_views.py

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Your code

```
1 """Unit tests for Views for 'pensions' app"""
2 from django.test import TestCase
3 from django.contrib.auth.models import User
4 from django.contrib.messages import get_messages
5 from jobs.models import Job
6 from .models import Pension, Provider
7
8
9 class TestMyPensionsListView(TestCase):
10     """ To test the MyPensions listview """
11     @classmethod
12     def setUpTestData(cls):
13         """
```