

core\migrations\0001_initial.py

```
1 # Generated by Django 5.2.5 on 2025-11-23 05:09
2
3 import django.contrib.auth.models
4 import django.contrib.auth.validators
5 import django.db.models.deletion
6 import django.utils.timezone
7 from django.conf import settings
8 from django.db import migrations, models
9
10
11 class Migration(migrations.Migration):
12
13     initial = True
14
15     dependencies = [
16         ('auth', '0012_alter_user_first_name_max_length'),
17     ]
18
19     operations = [
20         migrations.CreateModel(
21             name='ClassRoom',
22             fields=[
23                 ('id', models.BigAutoField(auto_created=True, primary_key=True,
24         serialize=False, verbose_name='ID')),
25                 ('name', models.CharField(max_length=50)),
26                 ('section', models.CharField(blank=True, max_length=10, null=True)),
27                 ('year', models.IntegerField(blank=True, null=True)),
28             ],
29         ),
30         migrations.CreateModel(
31             name='User',
32             fields=[
33                 ('id', models.BigAutoField(auto_created=True, primary_key=True,
34         serialize=False, verbose_name='ID')),
35                 ('password', models.CharField(max_length=128, verbose_name='password')),
36                 ('last_login', models.DateTimeField(blank=True, null=True, verbose_name='last
37 login')),
38                 ('is_superuser', models.BooleanField(default=False, help_text='Designates
39 that this user has all permissions without explicitly assigning them.',
40         verbose_name='superuser status')),
41                 ('username', models.CharField(error_messages={'unique': 'A user with that
42 username already exists.'}, help_text='Required. 150 characters or fewer. Letters, digits and
43 @./+/-/_ only.', max_length=150, unique=True, validators=
44 [django.contrib.auth.validators.UnicodeUsernameValidator()]), verbose_name='username'),
45                 ('first_name', models.CharField(blank=True, max_length=150,
46         verbose_name='first name')),
47                 ('last_name', models.CharField(blank=True, max_length=150, verbose_name='last
48 name')),
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39         ('email', models.EmailField(blank=True, max_length=254, verbose_name='email
address')),
40             ('is_staff', models.BooleanField(default=False, help_text='Designates whether
the user can log into this admin site.', verbose_name='staff status')),
41             ('is_active', models.BooleanField(default=True, help_text='Designates whether
this user should be treated as active. Unselect this instead of deleting accounts.', verbose_name='active')),
42             ('date_joined', models.DateTimeField(default=django.utils.timezone.now, verbose_name='date joined')),
43             ('role', models.CharField(choices=[('ADMIN', 'Admin'), ('TEACHER', 'Teacher'), ('STUDENT', 'Student')], default='STUDENT', max_length=10)),
44             ('groups', models.ManyToManyField(blank=True, help_text='The groups this user
belongs to. A user will get all permissions granted to each of their groups.', related_name='user_set', related_query_name='user', to='auth.group', verbose_name='groups')),
45             ('user_permissions', models.ManyToManyField(blank=True, help_text='Specific
permissions for this user.', related_name='user_set', related_query_name='user', to='auth.permission', verbose_name='user permissions')),
46         ],
47         options={
48             'verbose_name': 'user',
49             'verbose_name_plural': 'users',
50             'abstract': False,
51         },
52         managers=[
53             ('objects', django.contrib.auth.models.UserManager()),
54         ],
55     ),
56     migrations.CreateModel(
57         name='Feedback',
58         fields=[
59             ('id', models.BigAutoField(auto_created=True, primary_key=True, serialize=False, verbose_name='ID')),
60             ('to_hod', models.BooleanField(default=True)),
61             ('subject', models.CharField(max_length=200)),
62             ('message', models.TextField()),
63             ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
64             ('sender', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE, related_name='feedbacks', to=settings.AUTH_USER_MODEL)),
65         ],
66     ),
67     migrations.CreateModel(
68         name='LeaveRequest',
69         fields=[
70             ('id', models.BigAutoField(auto_created=True, primary_key=True, serialize=False, verbose_name='ID')),
71             ('requester_type', models.CharField(choices=[('STUDENT', 'Student'), ('TEACHER', 'Teacher')], max_length=10)),
72             ('from_date', models.DateField()),
73             ('to_date', models.DateField()),
74             ('reason', models.TextField()),
75             ('status', models.CharField(default='PENDING', max_length=20)),
76             ('created_at', models.DateTimeField(default=django.utils.timezone.now)),

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77         ('approved_by', models.ForeignKey(blank=True, null=True,
78                                         on_delete=django.db.models.deletion.SET_NULL, related_name='leave_approved',
79                                         to=settings.AUTH_USER_MODEL)),
80             ('requester', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
81                                         related_name='leave_requests', to=settings.AUTH_USER_MODEL)),
82         ],
83     ),
84     migrations.CreateModel(
85         name='StudentProfile',
86         fields=[
87             ('id', models.BigAutoField(auto_created=True, primary_key=True,
88                                         serialize=False, verbose_name='ID')),
89             ('roll_no', models.CharField(max_length=20, unique=True)),
90             ('approval_authority', models.BooleanField(default=False)),
91             ('classroom', models.ForeignKey(blank=True, null=True,
92                                         on_delete=django.db.models.deletion.SET_NULL, related_name='students', to='core.classroom')),
93             ('user', models.OneToOneField(on_delete=django.db.models.deletion.CASCADE,
94                                         related_name='student_profile', to=settings.AUTH_USER_MODEL)),
95         ],
96     ),
97     migrations.CreateModel(
98         name='Subject',
99         fields=[
100             ('id', models.BigAutoField(auto_created=True, primary_key=True,
101                                         serialize=False, verbose_name='ID')),
102             ('name', models.CharField(max_length=100)),
103             ('code', models.CharField(max_length=20, unique=True)),
104             ('classroom', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
105                                         related_name='subjects', to='core.classroom')),
106         ],
107     ),
108     migrations.CreateModel(
109         name='Lecture',
110         fields=[
111             ('id', models.BigAutoField(auto_created=True, primary_key=True,
112                                         serialize=False, verbose_name='ID')),
113             ('title', models.CharField(max_length=200)),
114             ('description', models.TextField(blank=True, null=True)),
115             ('file', models.FileField(blank=True, null=True, upload_to='lectures/')),
116             ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
117             ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
118                                         related_name='lectures', to='core.subject')),
119         ],
120     ),
121     migrations.CreateModel(
122         name='TeacherProfile',
123         fields=[
124             ('id', models.BigAutoField(auto_created=True, primary_key=True,
125                                         serialize=False, verbose_name='ID')),
126             ('employee_id', models.CharField(max_length=20, unique=True)),
127             ('approval_authority', models.BooleanField(default=False)),
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117         ('user', models.OneToOneField(on_delete=django.db.models.deletion.CASCADE,
118             related_name='teacher_profile', to=settings.AUTH_USER_MODEL)),
119             ],
120         ),
121         migrations.AddField(
122             model_name='subject',
123             name='teacher',
124             field=models.ForeignKey(blank=True, null=True,
125             on_delete=django.db.models.deletion.SET_NULL, related_name='subjects',
126             to='core.teacherprofile'),
127             ),
128         migrations.CreateModel(
129             name='QuestionPaper',
130             fields=[
131                 ('id', models.BigAutoField(auto_created=True, primary_key=True,
132                 serialize=False, verbose_name='ID')),
133                 ('exam_name', models.CharField(max_length=100)),
134                 ('paper_file', models.FileField(upload_to='question_papers/')),
135                 ('uploaded_at', models.DateTimeField(default=django.utils.timezone.now)),
136                 ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
137                 related_name='question_papers', to='core.subject')),
138                 ('uploaded_by', models.ForeignKey(blank=True, null=True,
139                 on_delete=django.db.models.deletion.SET_NULL, to='core.teacherprofile')),
140             ],
141         ),
142         migrations.CreateModel(
143             name='Assignment',
144             fields=[
145                 ('id', models.BigAutoField(auto_created=True, primary_key=True,
146                 serialize=False, verbose_name='ID')),
147                 ('title', models.CharField(max_length=200)),
148                 ('description', models.TextField()),
149                 ('file', models.FileField(blank=True, null=True, upload_to='assignments/')),
150                 ('due_date', models.DateTimeField()),
151                 ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
152                 ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
153                 related_name='assignments', to='core.subject')),
154                 ('created_by', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
155                 related_name='assignments', to='core.teacherprofile')),
156             ],
157         ),
158         migrations.CreateModel(
159             name='AssignmentSubmission',
160             fields=[
161                 ('id', models.BigAutoField(auto_created=True, primary_key=True,
162                 serialize=False, verbose_name='ID')),
163                 ('file', models.FileField(upload_to='submissions/')),
164                 ('submitted_at', models.DateTimeField(default=django.utils.timezone.now)),
165                 ('marks', models.FloatField(blank=True, null=True)),
166                 ('feedback', models.TextField(blank=True, null=True)),
167             ],
168         ),
169     ),
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157         ('assignment', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
158                                         related_name='submissions', to='core.assignment')),
159         ('student', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
160                                         related_name='submissions', to='core.studentprofile')),
161     ],
162     options={
163         'unique_together': {('assignment', 'student')}},
164     ),
165     migrations.CreateModel(
166         name='Result',
167         fields=[
168             ('id', models.BigAutoField(auto_created=True, primary_key=True,
169             serialize=False, verbose_name='ID')),
170             ('exam_type', models.CharField(choices=[('MID', 'Mid Term'), ('END', 'End
171             Term'), ('INT', 'Internal')], max_length=10)),
172             ('max_marks', models.FloatField(default=100)),
173             ('marks_obtained', models.FloatField()),
174             ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
175             ('student', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
176                                         related_name='results', to='core.studentprofile')),
177             ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
178                                         related_name='results', to='core.subject')),
179             ('created_by', models.ForeignKey(blank=True, null=True,
180             on_delete=django.db.models.deletion.SET_NULL, related_name='results_created',
181             to='core.teacherprofile')),
182         ],
183         options={
184             'unique_together': {('student', 'subject', 'exam_type')}},
185         ),
186     migrations.CreateModel(
187         name='Attendance',
188         fields=[
189             ('id', models.BigAutoField(auto_created=True, primary_key=True,
190             serialize=False, verbose_name='ID')),
191             ('date', models.DateField(default=django.utils.timezone.now)),
192             ('status', models.CharField(choices=[('P', 'Present'), ('A', 'Absent'), ('L',
193             'Leave')], max_length=1)),
194             ('student', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
195                                         related_name='attendance', to='core.studentprofile')),
196             ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
197                                         related_name='attendance', to='core.subject')),
198             ('marked_by', models.ForeignKey(blank=True, null=True,
199             on_delete=django.db.models.deletion.SET_NULL, related_name='attendance_marked',
200             to='core.teacherprofile')),
201         ],
202         options={
203             'unique_together': {('student', 'subject', 'date')}},
204         ),
205     ),
206 ]
```

