

## core\migrations\0001\_initial.py

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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')),
49             ],
50         ),
51     ]
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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,
on_delete=django.db.models.deletion.SET_NULL, related_name='leave_approved',
to=settings.AUTH_USER_MODEL)),
78         ('requester', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='leave_requests', to=settings.AUTH_USER_MODEL)),
79     ],
80 ),
81     migrations.CreateModel(
82         name='StudentProfile',
83         fields=[
84             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
85             ('roll_no', models.CharField(max_length=20, unique=True)),
86             ('approval_authority', models.BooleanField(default=False)),
87             ('classroom', models.ForeignKey(blank=True, null=True,
on_delete=django.db.models.deletion.SET_NULL, related_name='students', to='core.classroom')),
88             ('user', models.OneToOneField(on_delete=django.db.models.deletion.CASCADE,
related_name='student_profile', to=settings.AUTH_USER_MODEL)),
89         ],
90     ),
91     migrations.CreateModel(
92         name='Subject',
93         fields=[
94             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
95             ('name', models.CharField(max_length=100)),
96             ('code', models.CharField(max_length=20, unique=True)),
97             ('classroom', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='subjects', to='core.classroom')),
98         ],
99     ),
100     migrations.CreateModel(
101         name='Lecture',
102         fields=[
103             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
104             ('title', models.CharField(max_length=200)),
105             ('description', models.TextField(blank=True, null=True)),
106             ('file', models.FileField(blank=True, null=True, upload_to='lectures/')),
107             ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
108             ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='lectures', to='core.subject')),
109         ],
110     ),
111     migrations.CreateModel(
112         name='TeacherProfile',
113         fields=[
114             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
115             ('employee_id', models.CharField(max_length=20, unique=True)),
116             ('approval_authority', models.BooleanField(default=False)),

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117         ('user', models.OneToOneField(on_delete=django.db.models.deletion.CASCADE,
related_name='teacher_profile', to=settings.AUTH_USER_MODEL)),
118     ],
119 ),
120     migrations.AddField(
121         model_name='subject',
122         name='teacher',
123         field=models.ForeignKey(blank=True, null=True,
on_delete=django.db.models.deletion.SET_NULL, related_name='subjects',
to='core.teacherprofile'),
124     ),
125     migrations.CreateModel(
126         name='QuestionPaper',
127         fields=[
128             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
129             ('exam_name', models.CharField(max_length=100)),
130             ('paper_file', models.FileField(upload_to='question_papers/')),
131             ('uploaded_at', models.DateTimeField(default=django.utils.timezone.now)),
132             ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='question_papers', to='core.subject')),
133             ('uploaded_by', models.ForeignKey(blank=True, null=True,
on_delete=django.db.models.deletion.SET_NULL, to='core.teacherprofile')),
134         ],
135     ),
136     migrations.CreateModel(
137         name='Assignment',
138         fields=[
139             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
140             ('title', models.CharField(max_length=200)),
141             ('description', models.TextField()),
142             ('file', models.FileField(blank=True, null=True, upload_to='assignments/')),
143             ('due_date', models.DateTimeField()),
144             ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
145             ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='assignments', to='core.subject')),
146             ('created_by', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='assignments', to='core.teacherprofile')),
147         ],
148     ),
149     migrations.CreateModel(
150         name='AssignmentSubmission',
151         fields=[
152             ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
153             ('file', models.FileField(upload_to='submissions/')),
154             ('submitted_at', models.DateTimeField(default=django.utils.timezone.now)),
155             ('marks', models.FloatField(blank=True, null=True)),
156             ('feedback', models.TextField(blank=True, null=True)),
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157         ('assignment', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='submissions', to='core.assignment')),
158         ('student', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='submissions', to='core.studentprofile')),
159     ],
160     options={
161         'unique_together': (('assignment', 'student'))},
162     },
163 ),
164 migrations.CreateModel(
165     name='Result',
166     fields=[
167         ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
168         ('exam_type', models.CharField(choices=[('MID', 'Mid Term'), ('END', 'End
Term'), ('INT', 'Internal')], max_length=10)),
169         ('max_marks', models.FloatField(default=100)),
170         ('marks_obtained', models.FloatField()),
171         ('created_at', models.DateTimeField(default=django.utils.timezone.now)),
172         ('student', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='results', to='core.studentprofile')),
173         ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='results', to='core.subject')),
174         ('created_by', models.ForeignKey(blank=True, null=True,
on_delete=django.db.models.deletion.SET_NULL, related_name='results_created',
to='core.teacherprofile')),
175     ],
176     options={
177         'unique_together': (('student', 'subject', 'exam_type'))},
178     },
179 ),
180 migrations.CreateModel(
181     name='Attendance',
182     fields=[
183         ('id', models.BigAutoField(auto_created=True, primary_key=True,
serialize=False, verbose_name='ID')),
184         ('date', models.DateField(default=django.utils.timezone.now)),
185         ('status', models.CharField(choices=[('P', 'Present'), ('A', 'Absent'), ('L',
'Leave')], max_length=1)),
186         ('student', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='attendance', to='core.studentprofile')),
187         ('subject', models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
related_name='attendance', to='core.subject')),
188         ('marked_by', models.ForeignKey(blank=True, null=True,
on_delete=django.db.models.deletion.SET_NULL, related_name='attendance_marked',
to='core.teacherprofile')),
189     ],
190     options={
191         'unique_together': (('student', 'subject', 'date'))},
192     },
193 ),
194 ]

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