

EduGate Project – Application Structure Overview

1) accounts/

Handles everything related to users, authentication, roles, and profiles. This app manages login, logout, registration, profile management, and dashboards for each role.

- Models:

- Profile: Stores additional user information and role (Admin, Teacher, Student, Parent).
- ParentStudentRelation: Links parents to their children (students).

- Views:

- register view (user registration)
- login view (authentication)
- logout view
- profile view (view/edit profile)
- dashboard view (role-based dashboard)

- Forms:

- RegisterForm
- LoginForm
- ProfileForm

- URLs:

- /accounts/register/
- /accounts/login/
- /accounts/logout/
- /accounts/profile/
- /accounts/dashboard/

- Templates:

- register.html
 - login.html
 - profile.html
 - dashboard.html
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2) courses/

This is the core of EduGate. It manages courses, modules, lessons, and student enrollment.

- Models:

- Course: Represents a course created by teachers.
- Module: Sections or units inside a course.
- Lesson: Lessons inside a module, may include text or video.
- Enrollment: Represents student enrollment in a course.

- Views:

- course list
- course detail
- create/edit/delete course (Teacher only)
- create modules and lessons
- enroll student in course

- URLs:

- /courses/
- /courses//
- /courses//enroll/
- /courses//create/
- /courses//modules/

- Templates:

- course_list.html
 - course_detail.html
 - course_create.html
 - module_create.html
 - lesson_detail.html
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3) progress/

Responsible for assignments, submissions, grading, and student progress tracking.

- Models:

- Assignment: An assignment created by teachers.
- Submission: Work submitted by students.
- Grade (included in Submission): Stores scoring/evaluation.

- Views:

- assignment list for a course
- submit assignment (Student)
- grade assignment (Teacher)
- student progress page
- parent progress page (view child's progress)

- URLs:

- /progress//assignments/
- /assignments//submit/
- /assignments//grade/
- /progress/student/
- /progress/parent/

- Templates:

- assignment_list.html
 - assignment_detail.html
 - submit_assignment.html
 - grade_assignment.html
 - student_progress.html
 - parent_progress.html
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4) core/

Contains general pages and global site structure.

- Views:

- Home page
- About page
- Contact page

- Main dashboard that redirects based on role

- Templates:

- base.html (main template)
- navbar.html
- home.html
- about.html
- contact.html

- Static:

- CSS files
- JS files
- Images used across the site