User stories

As a user, I want to authenticate myself by providing a username and password, so that I can receive an authentication token and access the application.

As a user, I want to register by providing a username, first name, last name, email, password, and role, so that I can create an account and access the application.

As a student, I want to be able to get information about a course by its ID, so that I can view the details of the course such as name, description, phase, credits, and associated lecturers.

As a student, I want to retrieve a lecturer by their unique ID, so that I can view the details of a specific lecturer, including their expertise and user information.

As an admin, I want to retrieve a list of all users, so that I can manage the users in the application.

As an admin, I want to retrieve a list of all students, so that I can manage student data in the application.

As an admin, I want to retrieve a list of all lecturers, so that I can view the details of all lecturers, including their expertise and associated user information.

As an authenticated user (Admin or Student), I want to retrieve a list of schedules relevant to me, so that I can view all available schedules (if I am an admin) or only the ones I'm enrolled in (if I am a student).

As an administrator, I want to create a new schedule by providing a course, lecturer, and time range, so that I can assign a lecturer to teach a specific course at a specific time.

As an administrator, I want to enroll multiple students into a specific schedule, so that they can attend the scheduled course with a specific lecturer.

As a lecturer, I want to assign rooms to schedules so that classes have designated locations.

As a lecturer, I want to see the list of schedules in a specific building so that I can know where schedules are placed.

Output

Users can securely register, authenticate, and access application features appropriate to their roles, ensuring a smooth and secure onboarding experience.

Students and admins can easily access detailed and up-to-date information about courses and lecturers, helping with informed decision-making and better planning for academic activities.

Admins can effectively manage user accounts by retrieving and filtering users based on roles, allowing them to oversee the application's user base and ensure appropriate access control.

Admins, lecturers, and students can efficiently manage and access schedules, ensuring that courses are properly planned, lecturers are assigned, and students are enrolled in the correct sessions.

| Epics | User Authentication and Registration | Course and Lecturer Information Access | User Management (Admin) | Schedule Management |

User persona

| Dr. Sofia Vermeer (Lecturer) | Jonas Maes (student) | Elise De Smet (Administrator) | | Jonas Maes (student) | | Elise De Smet (Administrator) | | Dr. Sofia Vermeer (Lecturer) | Elise De Smet (Administrator) |