

**Name:** Achuth Chandra Moonnamkuttiyl  
**UMD Email ID:** achuth@umd.edu  
**UMD Directory ID:** Achuth  
**UID:** 120311482

## **Edusync User Guide**

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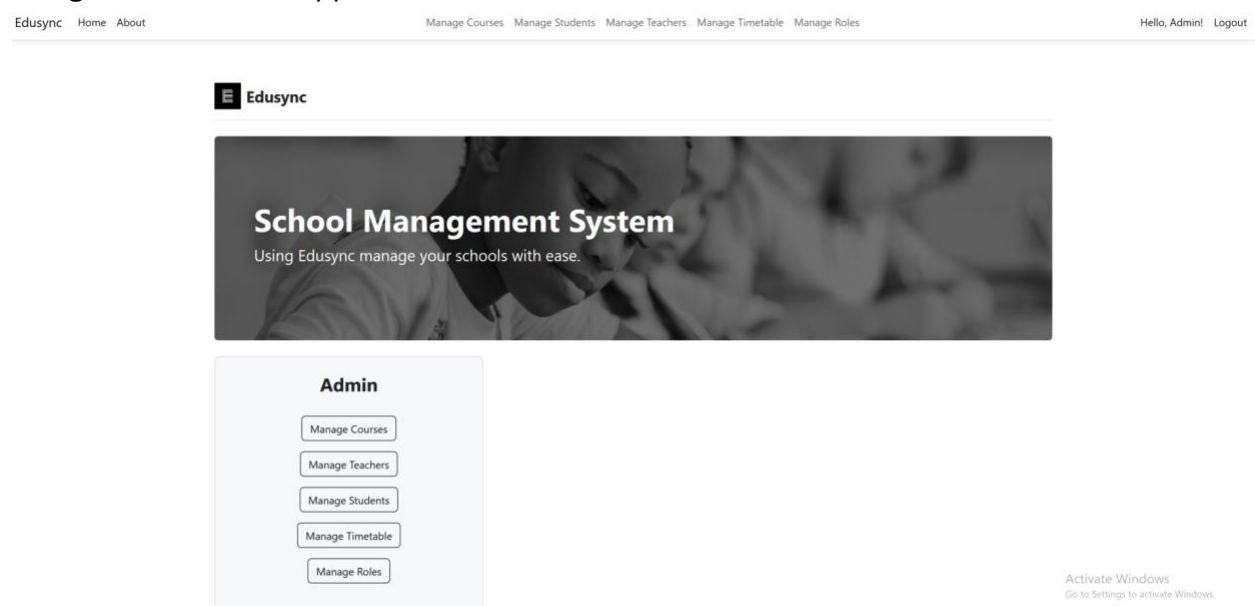
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# Edusync User Guide

## 1. Description

Edusync is a School Management System designed to streamline administrative tasks and academic tracking for students, teachers, and administrators. This user guide will provide a basic overview of how to use the key functionalities for different types of users: **Admin**, **Student**, and **Teacher**.

All the functionalities available to the logged in user will be displayed on the homepage and navigation bar of the application:



### 1.1 Test Account Credentials

To test the application functionalities, you can use the below credentials (If you set up database using SchoolManagementDb.bak file). You can also register a new account, however, note that all newly registered accounts are by default given the role of student (View only access) and only an admin user can change the account's user role to that of teacher/admin.

Admin Account:

Username: Admin

Password: Edusync123!

Teacher Account:

Username: Teacher

Password: Edusync123!

Student Account:

Username: Student

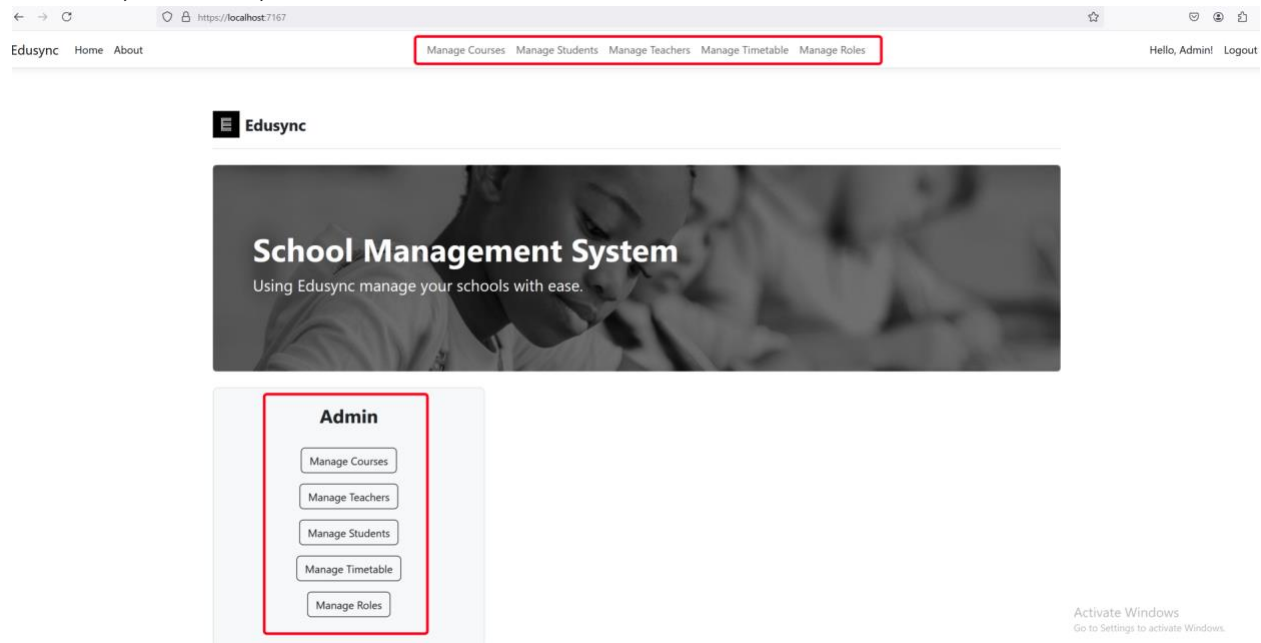
Password: Edusync123!

If you are using the SchoolManagementDb.sql script to set up database, then:

- There is code to seed an admin account when the program is run for the first time you can use this admin account for starting out and exploring the application.
  - Username: Admin
  - Password: Edusync123!
- To test out Teacher and Student accounts, use register option in the home page to register new accounts. By default, new accounts will be registered as student. So log in to Admin account again and then go to manage roles and change roles of newly created account to teacher role to test out the teacher account.

## 2. Admin Functionalities

As an **Admin**, you manage the core components of the school system, including teachers, courses, students, and timetables.



### 2.1. Manage Courses

- Navigate to **Manage Courses** from the homepage.
- View the list of all available courses.
- You can **Create, Edit, View Details, or Delete** courses.
- Courses include attributes like Course Name, Code, and Credits.

← → ↻ https://localhost:7167/Courses ☆ 🏠 👤 📄 ☰

Edusync Home About Manage Courses Manage Students Manage Teachers Manage Timetable Manage Roles Hello, Admin! Logout

### Courses

Create New

10 entries per page Search:

Name	Code	Credits	
Economics	E132	2	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>
Organic Chemistry	OC450	3	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>
Physics	P310	3	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>
Python	PS43	2	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>
World History	W123	3	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>

Showing 1 to 5 of 5 entries

« < 1 > »

## 2.2. Manage Teachers

- Go to **Manage Teachers** from the homepage.
- View the list of registered teachers.
- Add a new teacher using **Create**, or update existing teachers via **Edit**.
- You can also remove teachers who are no longer part of the school by using the **Delete** button. If a teacher is associated with any classes, a warning will be displayed.

← → ↻ https://localhost:7167/Teachers ☆ 🏠 👤 📄 ☰

Edusync Home About Manage Courses Manage Students Manage Teachers Manage Timetable Manage Roles Hello, Admin! Logout

### Teachers

Create New

10 entries per page Search:

FirstName	LastName	Actions
Gananand	Kini	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>
Issac	Newton	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>
Niels	Bohr	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>

Showing 1 to 3 of 3 entries

« < 1 > »

## 2.3. Manage Students

- From the homepage, access **Manage Students**.
- Add new students by clicking **Create** or edit existing student records by clicking **Edit**.
- View the academic progress of individual students by navigating to their profile and selecting **View Academic Progress**.

## Students

Create New

10 entries per page Search:

First Name	Last Name	Date of Birth	Actions	Academic Progress
Achuth	C		<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>	<a href="#">View Progress</a>
Dom	Th	7/11/2002	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>	<a href="#">View Progress</a>
Joseph	T		<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>	<a href="#">View Progress</a>
Subbu	V		<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a>	<a href="#">View Progress</a>

Showing 1 to 4 of 4 entries

## 2.4. Manage Timetable

- Access the **Manage Timetable** page.
- Create, edit, or delete class schedules.
- You can assign teachers and students to specific time slots and subjects.
- You can also manage enrollment of students for a specific class schedule.

## Timetable

Create New

Day	Time	Course	Teachers	
Monday	9:30 AM	E132 - Economics	Niels Niels	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a> <a href="#">Manage Enrollments</a>
Tuesday	11:00 AM	OC450 - Organic Chemistry	Gananand Gananand	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a> <a href="#">Manage Enrollments</a>
Monday	10:00 AM	P310 - Physics	Issac Issac	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a> <a href="#">Manage Enrollments</a>
Wednesday	4:00 PM	E132 - Economics	Niels Niels	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a> <a href="#">Manage Enrollments</a>
Tuesday	11:00 AM	P543 - Python	Gananand Gananand	<a href="#">Edit</a> <a href="#">Details</a> <a href="#">Delete</a> <a href="#">Manage Enrollments</a>

## 2.5. Manage Roles

- Navigate to **Manage Roles** from the homepage.
- View all registered users and their assigned roles.
- Assign or change roles for users using the **Edit Roles** feature.
  - Assign roles such as **Student**, **Teacher**, or **Admin** to specific users.
  - Users can only have one role at a time, and the role change is logged for security purposes.

Username	Email	Roles	Actions
Admin3	admin3@umd.edu	Admin	Edit Roles
Achuth	achuth@umd.edu	Admin	Edit Roles
Admin1	admin@umd.edu	Admin	Edit Roles
Admin2	admin2@umd.edu	Admin	Edit Roles
Admin6	admin6@umd.edu	Admin	Edit Roles
manager	manager@edusync.com	Admin	Edit Roles
Admin	admin@edusync.com	Admin	Edit Roles

### 3. Student Functionalities

As a **Student**, you can view and track your academic progress, including grades, attendance, and class schedules.

**Edusync**

## School Management System

Using Edusync manage your schools with ease.

### Students

- View Grades
- View Attendance
- View Timetable
- View Academic Progress

#### 3.1. View Attendance

- On the homepage, click on **View Attendance** under the student section.
- You will be able to see the records of your attendance, indicating whether you were present or absent in each class.

Student	Class	Date	Status
Joseph T	Economics	11/11/2024	Absent
Subbu V	Economics	11/11/2024	Present

Showing 1 to 2 of 2 entries

## 3.2. View Grades

- Navigate to **View Grades** from the homepage.
- Here, you can see the grades you've received for each course and class. Grades are organized by subjects and assessment type.

View Grades

Filter your grades using search or sort functionalities

10 entries per page

Search:

Student	Class	Assessment Type	Score	Date Recorded
Achuth C	E132 - Economics	Finals	100.00	11/10/2024
Subbu V	E132 - Economics	Finals	92.00	11/10/2024

Showing 1 to 2 of 2 entries

## 3.3. View Academic Progress

- Select **View Academic Progress** from the homepage.
- This displays a summary of your grades and academic achievements throughout the year, showing your performance in each subject.

View Academic Progress

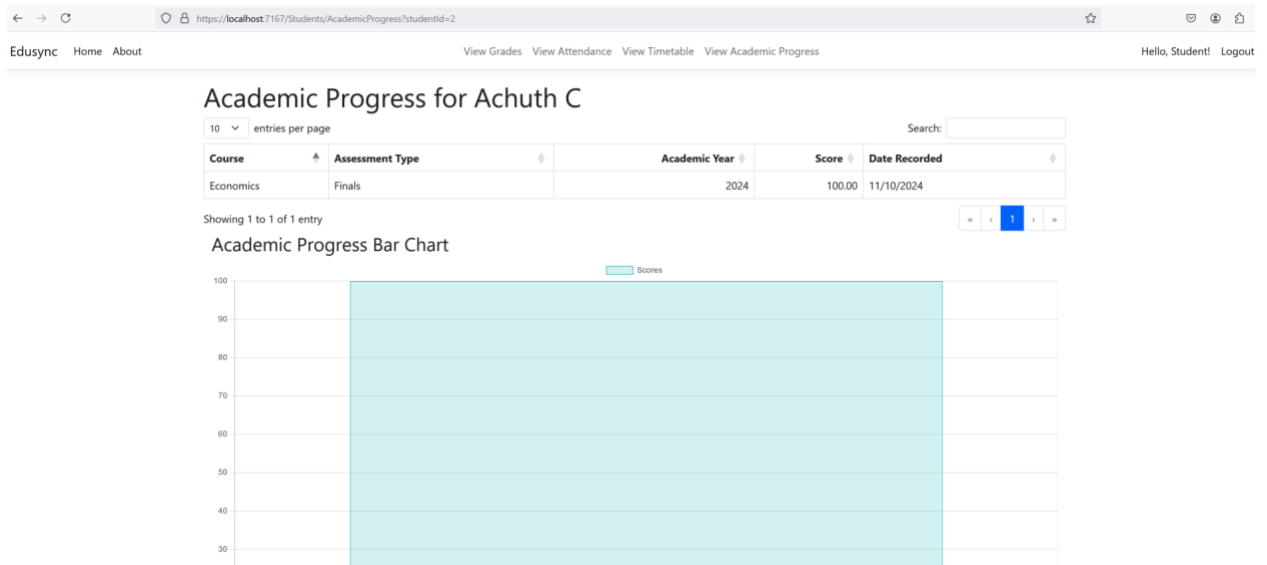
10 entries per page

Search:

First Name	Last Name	Date of Birth	Academic Progress
Achuth	C		<a href="#">View Progress</a>
Dom	Th	7/11/2002	<a href="#">View Progress</a>
Joseph	T		<a href="#">View Progress</a>
Subbu	V		<a href="#">View Progress</a>

Showing 1 to 4 of 4 entries





### 3.4. View Timetable

- Click on **View Timetable** from the homepage.
- This shows your weekly or daily class schedule, allowing you to keep track of your upcoming classes and teachers.

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Edusync Home About View Grades View Attendance View Timetable View Academic Progress Hello, Student! Logout

### Class Timetable

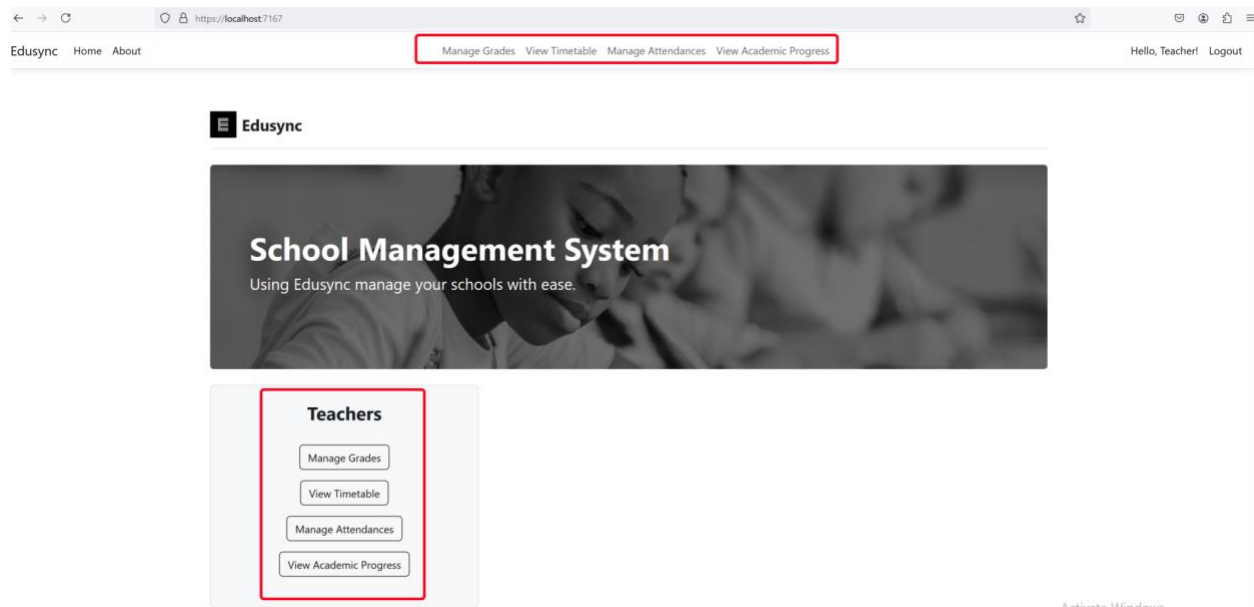
10 entries per page Search:

Day	Time	Course	Teachers
Monday	9:30 AM	E132 - Economics	Niels Bohr
Monday	10:00 AM	P310 - Physics	Issac Newton
Tuesday	11:00 AM	OC450 - Organic Chemistry	Gananand Kini
Tuesday	11:00 AM	P543 - Python	Gananand Kini
Wednesday	4:00 PM	E132 - Economics	Niels Bohr

Showing 1 to 5 of 5 entries

## 4. Teacher Functionalities

As a **Teacher**, you have the ability to manage grades, view timetables, and track students' academic progress.



#### 4.1. Manage Grades

- Go to **Manage Grades** from the homepage.
- You can **Create**, **Edit**, and **Delete** grades for students based on their performance in your class.
- Assign grades by selecting the student and the course and inputting the grade details.

Student	Class	Assessment Type	Academic Year	Score	Date Recorded	Actions
Subbu V	Economics	Finals	2024	92.00	11/10/2024	<button>Edit</button> <button>Delete</button>
Achuth C	Economics	Finals	2024	100.00	11/10/2024	<button>Edit</button> <button>Delete</button>

#### 4.2. Manage Attendance

- Navigate to **Manage Attendances** from the homepage.
- Mark student attendance for your classes by selecting students as either "Present" or "Absent" for a given date.

Edusync Home About Manage Grades View Timetable Manage Attendances View Academic Progress Hello, Teacher! Logout

### Attendance List

Record New Attendance

10 entries per page Search:

First Name	Name	Date	Status		
Joseph T	Economics	11/11/2024	Absent	Edit	Delete
Subbu V	Economics	11/11/2024	Present	Edit	Delete

Showing 1 to 2 of 2 entries

### 4.3. View Academic Progress

- Under the **View Academic Progress** section, you can view a student's overall academic performance.
- This includes a detailed summary of their grades in your class and across other subjects.

Edusync Home About Manage Grades View Timetable Manage Attendances View Academic Progress Hello, Teacher! Logout

### View Academic Progress

10 entries per page Search:

First Name	Last Name	Date of Birth	Academic Progress
Achuth	C		View Progress
Dom	Th	7/11/2002	View Progress
Joseph	T		View Progress
Subbu	V		View Progress

Showing 1 to 4 of 4 entries

### 4.4. View Timetable

- Access the **View Timetable** section from the homepage.
- This shows your teaching schedule and the classes you are assigned to, including time slots and the assigned course.

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Edusync Home About Manage Grades View Timetable Manage Attendances View Academic Progress Hello, Teacher! Logout

### Class Timetable

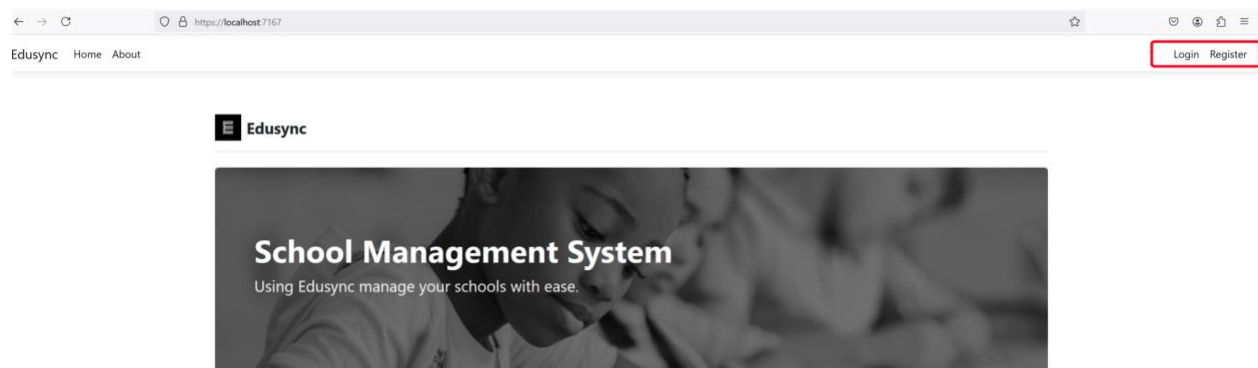
10 entries per page Search:

Day	Time	Course	Teachers
Monday	9:30 AM	E132 - Economics	Niels Bohr
Monday	10:00 AM	P310 - Physics	Issac Newton
Tuesday	11:00 AM	OC450 - Organic Chemistry	Gananand Kini
Tuesday	11:00 AM	P543 - Python	Gananand Kini
Wednesday	4:00 PM	E132 - Economics	Niels Bohr

Showing 1 to 5 of 5 entries

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## 5. Account Management



### 5.1. Registering new Account

- Navigate to the **Register** page from the home page.
- Fill in the required fields:
  - **Username:** Enter your preferred username.
  - **Email:** Provide a valid email address to receive notifications and password reset links.
  - **Password:** Create a strong password that meets the system's requirements.
- Click **Register** to create your account.
- **Default Role Assignment:**
  - All newly registered users are automatically assigned the **Student** role.
  - Teachers must contact an Administrator after registration to upgrade their accounts to the **Teacher** role.

### 5.2. Logging In

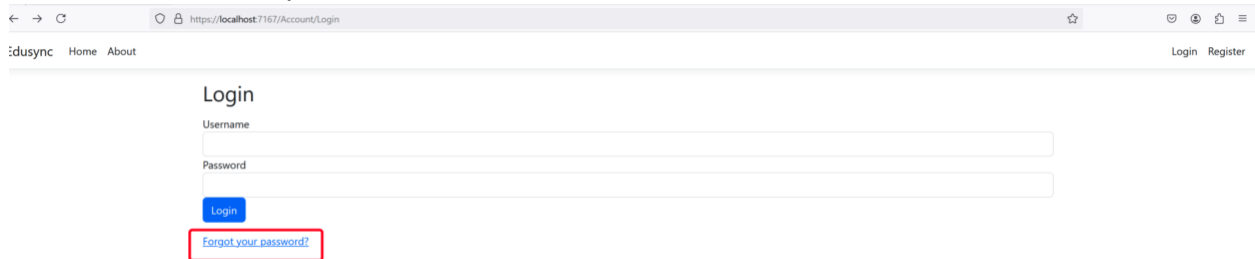
- Navigate to the **Login** page.
- Enter your **Username** and **Password** and click **Login**.
- Upon successful login:

- You will be redirected to the **Home** page, where functionalities available to your assigned role are displayed.

### 5.3. Forgot Password

If you forget your password, follow these steps:

1. On the **Login** page, click the **Forgot Password** link.
2. Enter your registered email address and click **Submit**.
3. You will receive an email with a password reset link.
4. Click the reset link in your email. It will redirect you to the **Reset Password** page.
5. Enter a new password and confirm it to reset your account.
  - Ensure the password meets the security requirements.
6. A confirmation page will notify you of the successful reset, after which you can log in with the new password.



The screenshot shows a web browser at the URL `https://localhost:7167/Account/Login`. The page has a header with "Edusync" and navigation links "Home" and "About". On the right, there are links for "Login" and "Register". The main content area is titled "Login" and contains two input fields: "Username" and "Password". Below these fields are two buttons: a blue "Login" button and a red-outlined link "Forgot your password?".



The screenshot shows a web browser at the URL `https://localhost:7167/Account/ForgotPassword`. The page has a header with "Edusync" and navigation links "Home" and "About". On the right, there are links for "Login" and "Register". The main content area is titled "Forgot Password" and contains a single input field labeled "Email Address". Below the input field is a blue button labeled "Send Reset Link".

### 5.4. Role Management

Admins have complete control over managing user roles.

#### How Roles Work

- **Default Role:** All users are registered as **Students** by default.
- **Role Changes:** Only Administrators can modify user roles (e.g., assign **Teacher** or **Admin** roles).
- Teachers and Admins need upgraded privileges, which must be assigned by an Admin.