

Cenedex University

User Manual

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Introduction

Cenedex has ventured in the business of opening up a university. As a result, they have created a simple Web management system that facilitates set up and management of basic information related to students, courses, and lectures. This system allows user to login with different level of roles and permissions to create and manipulate various records concerning courses, lecturers, students, and student grades. Essentially, this Web system allows an administrator manage courses, lecturers, students, and student grades. The system Web pages include a page to view a list of all managed records, a create page, an edit page and a details page.

Furthermore, the system has a search functionality on each list page that allows the administrator to find items by using their name. The pages utilize ajax to fetch records matching the search criteria. It also employs stored procedures, to create a report that allows the administrator to search for courses taken by a given student during a specified date range. This system has features which allow auditors to track deleted records by flagging the record as deleted and capturing the username and the timestamp of the deleted record. It is further coupled with the functionality to tell who made changes to records with use of update triggers.

The system controls its navigation in the layout page dynamically by storing navigation items in the database. This allows an administrator to manage the navigation via pages on the website. Where the administrator can add or remove navigation categories and sub-items directly from the website UI rather than editing the codes in the layout page.

Minimum System Requirements for the website:

Hardware Requirements

- PC Minimum hardware requirements*
- Core Duo (2.7GHz and 2.7GHz respectively) recommended
- At least 1Gb of available RAM
- 4Gb recommended
- 1280 x 1024 monitors resolution
- 250 Hard drive (recommended)

The following are all recommended Operating Systems:

- Windows 10
- Windows 8.1
- Windows 8.0
- Windows 7
- Android version 7.0 (**Nougat**) and newer versions
- Android version 6.0 (**Marshmallow**)
- Android version 5.0 (**Lollipop**)
- Mac OS
- ISO
- Unix

The following are all recommended Web Browsers:

- Internet Explorer
- Google Chrome
- Microsoft Edge
- Mozilla Firefox
- Safari
- Opera
- Konqueror
- Lynx

Login

Log in - Cenedex University Web System

localhost:44303/Identity/Account/Login?ReturnUrl=%2F

Cenedex University HOME STUDENTS LECTURERS COURSES STUDENTGRADES ADMINISTRATION PRIVACY REGISTER LOGIN

Log in

Use a local account to log in.

Email

perry@gmail.com

Password

.....

☐ Remember me?

Log in

[Forgot your password?](#)

[Register as a new user](#)

[Resend email confirmation](#)

Use another service to log in.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

[Full-screen login](#)

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Users who have previously registered on the site can log in by:

1. Entering their User Name.
2. Entering their Password.
3. Select “GO” to be logged in.

Validation check for Login

1. Both the email and password must be entered to login. Without those fields filled in, a validation error should be displayed on the screen as seen in the picture on the next page.

The screenshot shows a web browser window with the URL `localhost:44303/Identity/Account/Login?ReturnUrl=%2F`. The page header includes the Cenedex University logo and navigation links: HOME, STUDENTS, LECTURERS, COURSES, STUDENTGRADES, ADMINISTRATION, and PRIVACY. On the right of the header are links for REGISTER and LOGIN.

Log in

Use a local account to log in.

- The Email field is required.
- The Password field is required.

Email

The Email field is required.

Password

The Password field is required.

☐ Remember me?

[Log in](#)

[Forgot your password?](#)

[Register as a new user](#)

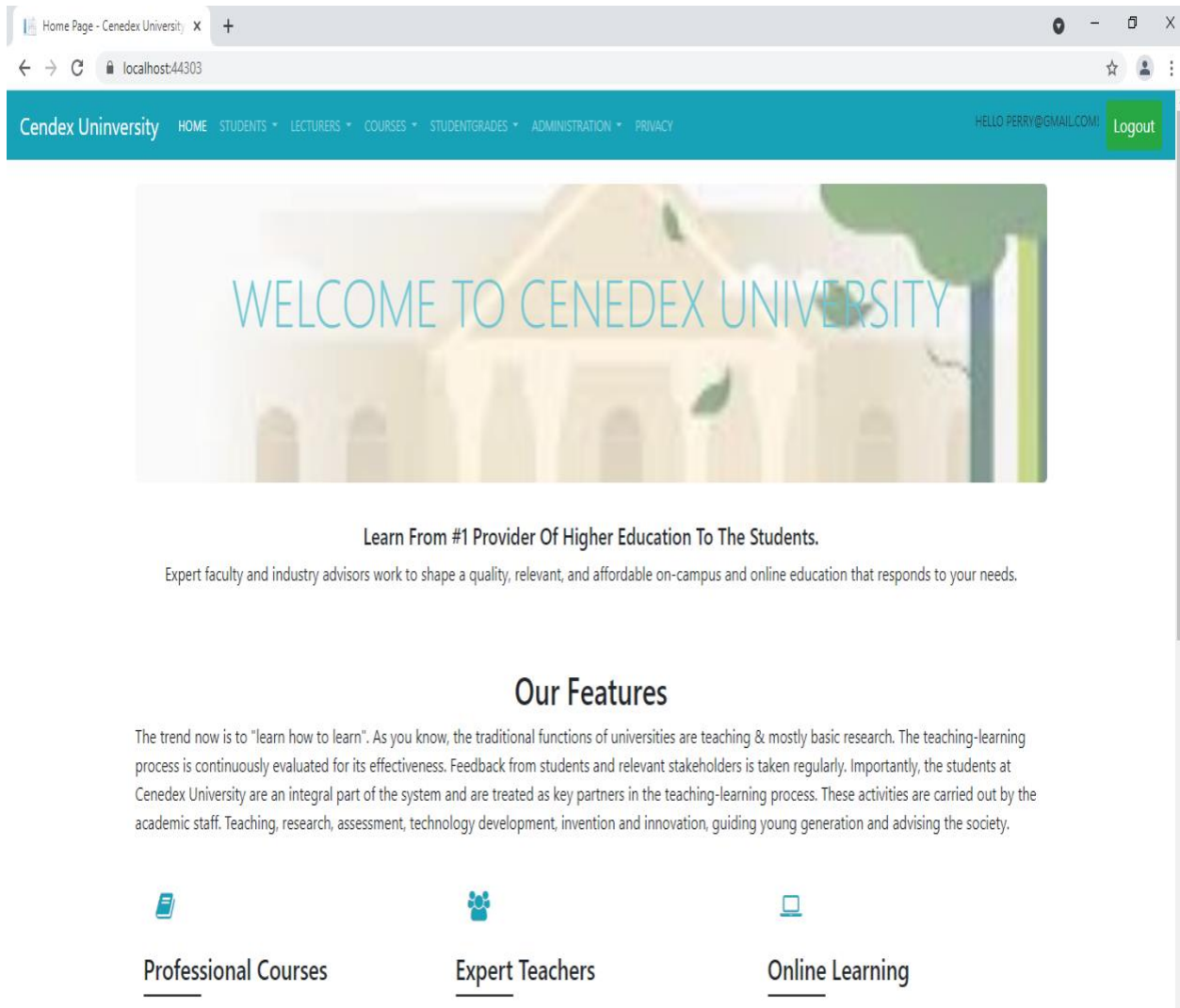
[Resend email confirmation](#)

Use another service to log in.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

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Home page user redirected to after login



Student list page

Index - Cenedex University Web | x

localhost:44303/Students

Cenedex University HOME STUDENTS LECTURERS COURSES STUDENTGRADES ADMINISTRATION PRIVACY HELLO PERRY@GMAIL.COM Logout

Student List

Search by name...

Students

(Only users associated with the Admin Roles & Permissions have privilege to modify contents)

Create Student

ID	FIRSTNAME	LASTNAME	DATE OF BIRTH	ACTION
1	Kerry	Wells	2000-05-02	Edit Details Delete
2	Bright	Sparks	1993-02-05	Edit Details Delete
3	Tommy	Keen	1990-09-16	Edit Details Delete
4	Lacy	Grace	1992-11-26	Edit Details Delete
5	Anna	Lees	1989-12-31	Edit Details Delete

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Student create page

Create - Cenedex University Web | x

localhost:44303/Students/Create

Cenedex University HOME STUDENTS LECTURERS COURSES STUDENTGRADES ADMINISTRATION PRIVACY HELLO PERRY@GMAIL.COM Logout

Create Student

create new student here

FirstName

LastName

Date Of Birth

mm/dd/yyyy

Create

[Back to List](#)

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Student Edit/update page

The screenshot shows a web browser window with the URL `localhost:44303/Students/Edit/1`. The page has a teal header with the Cenedex University logo and navigation links: HOME, STUDENTS, LECTURERS, COURSES, STUDENTGRADES, ADMINISTRATION, and PRIVACY. The user is logged in as HELLO PERRY@GMAIL.COM! with a Logout button. The main content area is titled "Edit Student" and contains three input fields: "FirstName" with the value "Kerry", "LastName" with the value "Wells", and "Date Of Birth" with the value "05/02/2000" and a calendar icon. Below the fields is a blue "Save" button and a link "Back to List". The footer shows the copyright notice "© 2021 - Cenedex University Web System - Privacy".

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Student details page

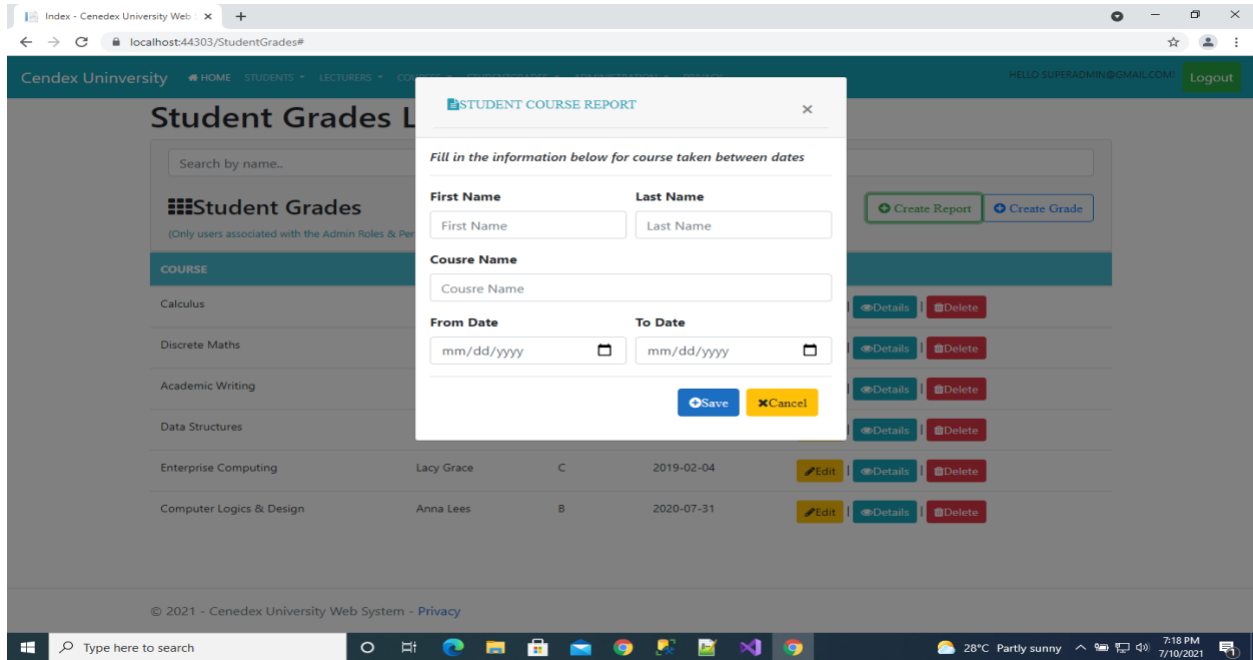
The screenshot shows a web browser window with the URL `localhost:44303/Students/Details/1`. The page has the same teal header and navigation links as the edit page. The user is logged in as HELLO PERRY@GMAIL.COM! with a Logout button. The main content area is titled "Details Student" and displays the student's information in a table:

FirstName	Kerry
LastName	Wells
Date Of Birth	2000-05-02

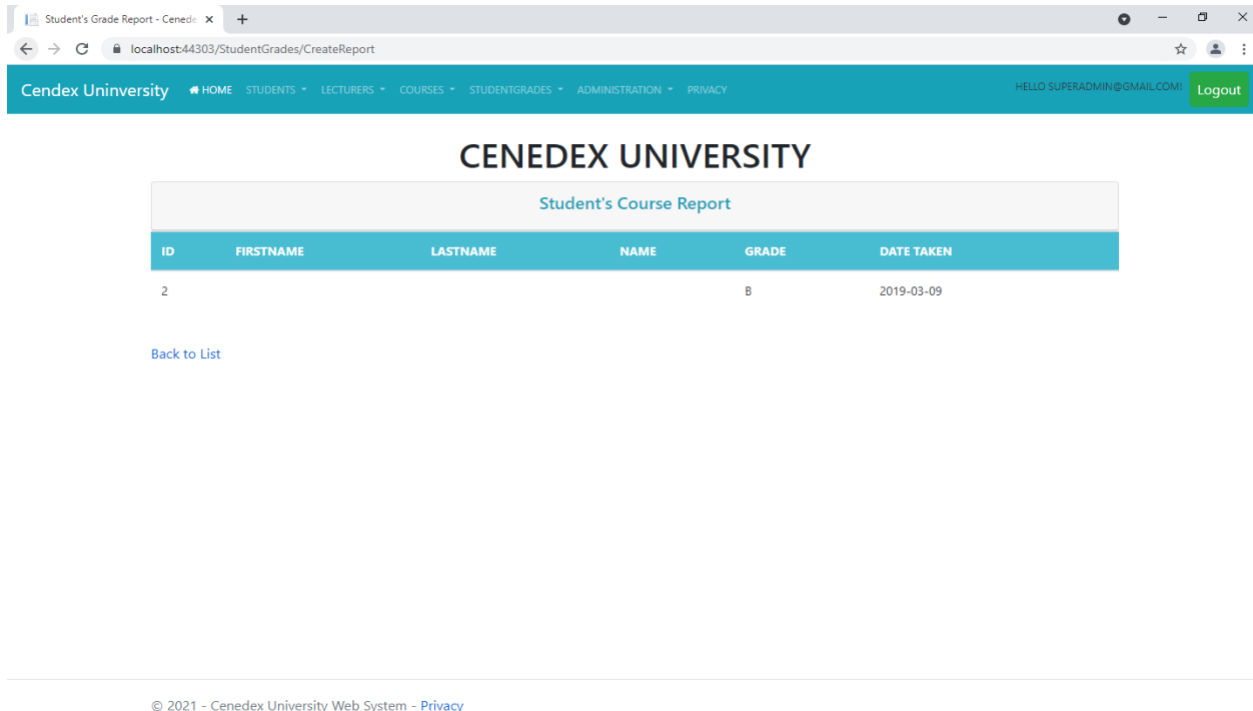
Below the table is a link "Edit | Back to List". The footer shows the copyright notice "© 2021 - Cenedex University Web System - Privacy".

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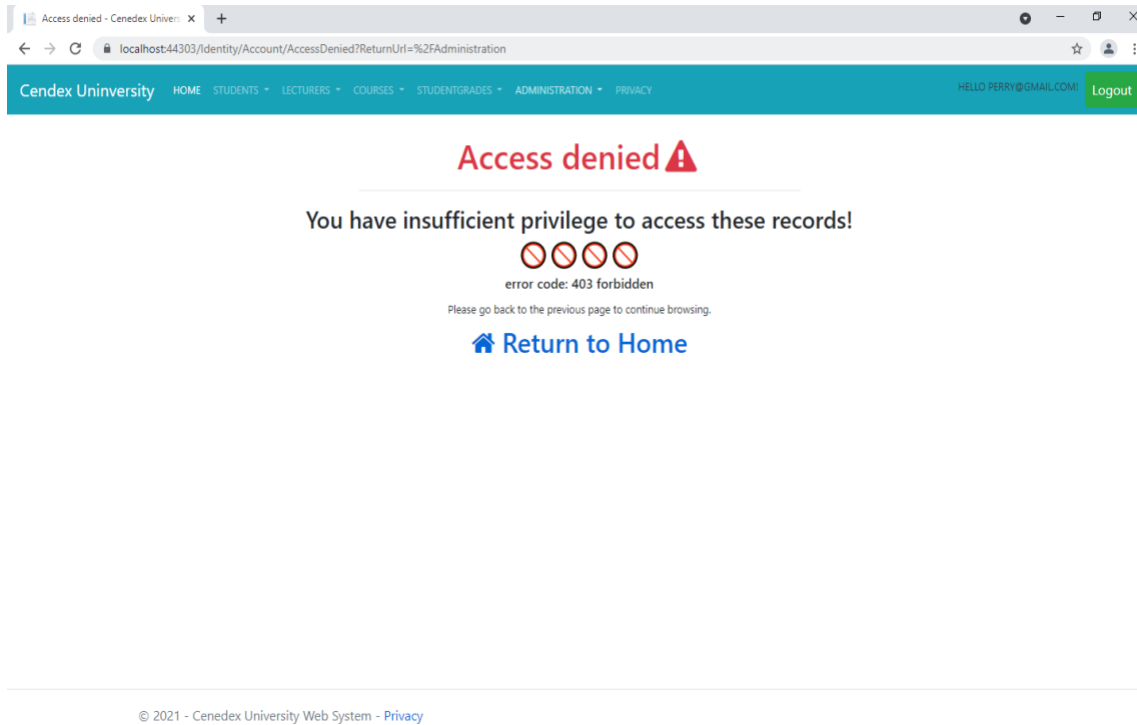
Create report from popup form via create report button (on StudentGrades list page)



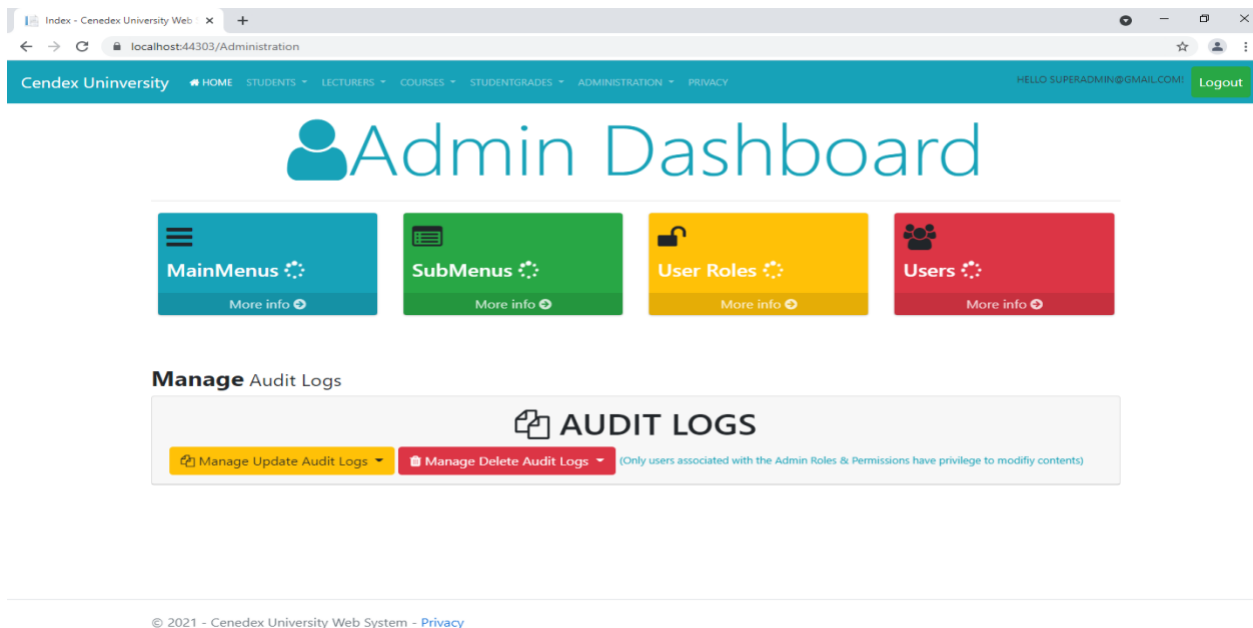
Student's course report generated



Basic user denied access to Administration page



Admin user granted access to Administration page



MainMenu list page (select more information under MainMenus on Admin page)

Index - Cenedex University Web x +

localhost:44303/MainMenus

Cenedex University HOME STUDENTS LECTURERS COURSES STUDENTGRADES ADMINISTRATION PRIVACY HELLO SUPERADMIN@GMAIL.COM! Logout

MainMenu List

Search by name..

MainMenu [Create MainMenu](#)

(Only users associated with the Admin Roles & Permissions have privilege to modify contents)

MENUNAME	MENUURL	
Students	Index	Edit Details Delete
Lecturers	Index	Edit Details Delete
Courses	Index	Edit Details Delete
StudentGrades	Index	Edit Details Delete
Administration	Index	Edit Details Delete

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SubMenu list page (select more information under SubMenus on Admin page)

Index - Cenedex University Web x +

localhost:44303/SubMenus

Cenedex University HOME STUDENTS LECTURERS COURSES STUDENTGRADES ADMINISTRATION PRIVACY HELLO SUPERADMIN@GMAIL.COM! Logout

SubMenu List

Search by name..

SubMenu [Create SubMenu](#)

(Only users associated with the Admin Roles & Permissions have privilege to modify contents)

SUBMENUNAME	SUBMENUURL	MAINMENU	
List	Index	Students	Edit Details Delete
Create	Create	Students	Edit Details Delete
List	Index	Lecturers	Edit Details Delete
Create	Create	Lecturers	Edit Details Delete
List	Index	Courses	Edit Details Delete
Create	Create	Courses	Edit Details Delete
List	Index	StudentGrades	Edit Details Delete
Create	Create	StudentGrades	Edit Details Delete
Manana	Index	Administration	Edit Details Delete

Manage update audit logs from dropdown menu

The screenshot shows a web browser window with the URL `localhost:44303/Administration`. The page header includes the Cenedex University logo, navigation links (HOME, STUDENTS, LECTURERS, COURSES, STUDENTGRADES, ADMINISTRATION, PRIVACY), and a user greeting (HELLO SUPERADMIN@GMAIL.COM) with a Logout button. The main content area features a large 'Admin Dashboard' title and four colored tiles: MainMenus (blue), SubMenus (green), User Roles (yellow), and Users (red). Below these is the 'Manage Audit Logs' section, which contains a header 'AUDIT LOGS' and two buttons: 'Manage Update Audit Logs' (yellow) and 'Manage Delete Audit Logs' (red). The 'Manage Update Audit Logs' button has a dropdown menu open, listing the following log types: Course Logs, Lecturer Logs, MainMenu Logs, Student Logs, StudentGrade Logs, and SubMenu Logs. A note below the buttons states: '(Only users associated with the Admin Roles & Permissions have privilege to modify contents)'. The footer of the page reads '© 2021 - Cenedex University Web System - Privacy'.

Manage update audit logs from dropdown menu

This screenshot is identical to the one above, showing the Admin Dashboard with the 'Manage Audit Logs' section. The 'Manage Update Audit Logs' dropdown menu is open, displaying the same list of log types: Course Logs, Lecturer Logs, MainMenu Logs, Student Logs, StudentGrade Logs, and SubMenu Logs. The page layout, including the header, navigation, and footer, remains the same.