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 mange 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 it 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
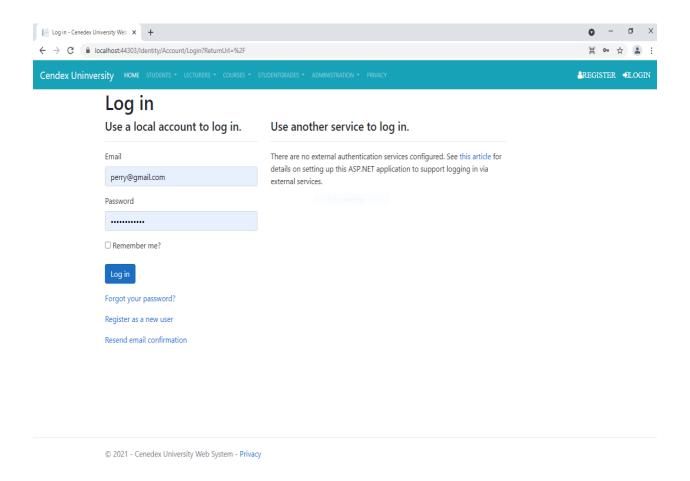- 1280 x 1024 monitors resolution
- 250 Hard drive (recommended)

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

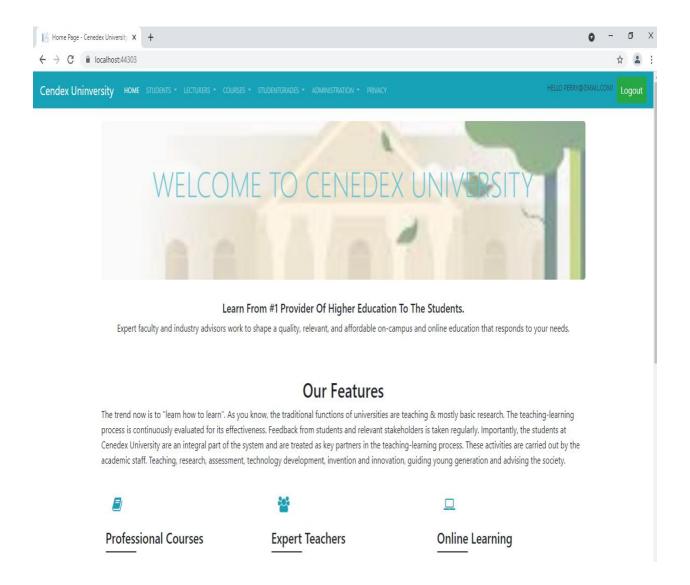Users who have previously registered on the site can log in by:

1. Entering their User Name.

2. Entering their Password.

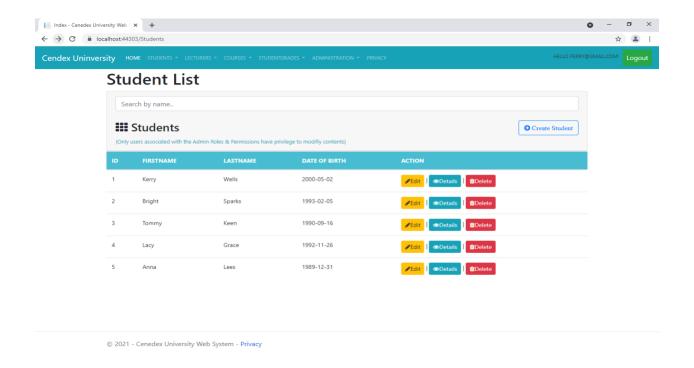3. Select "GO" to be logged in.

Validation check for Login

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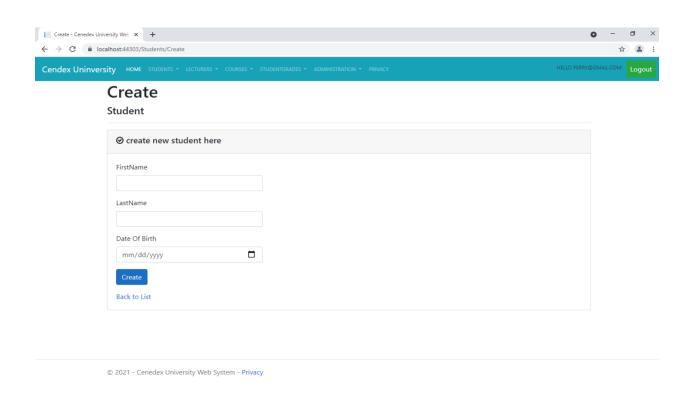   validation error should be displayed on the screen as seen in the picture on the next page.

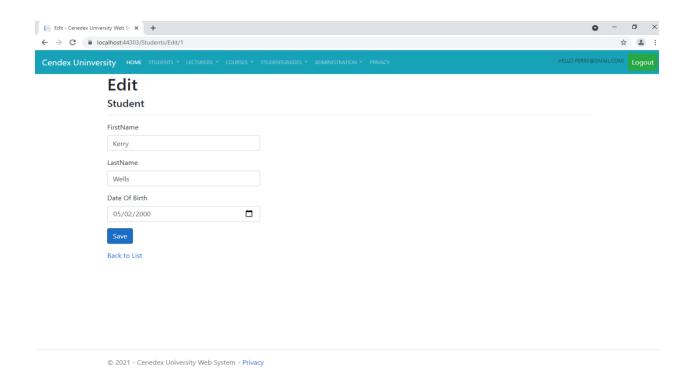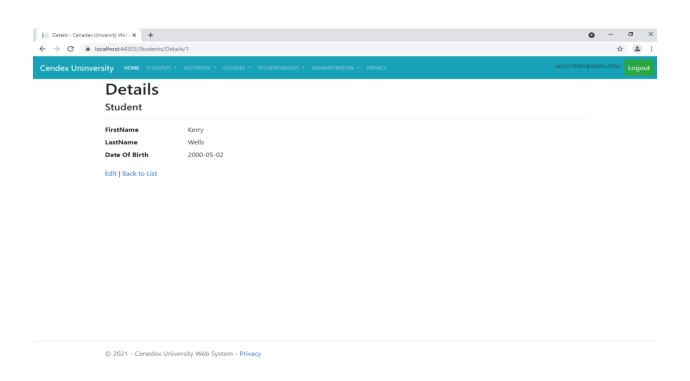**Home page user redirected to after login**

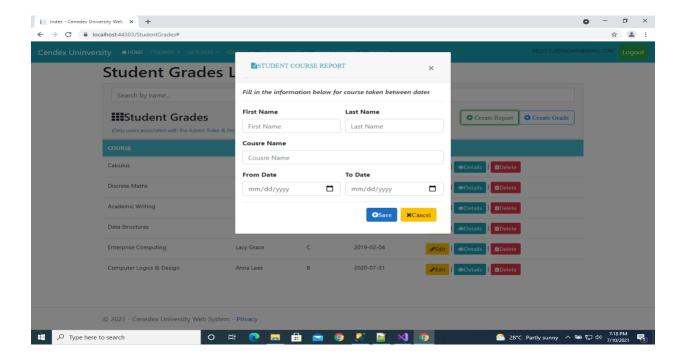## Student list page

Student create page

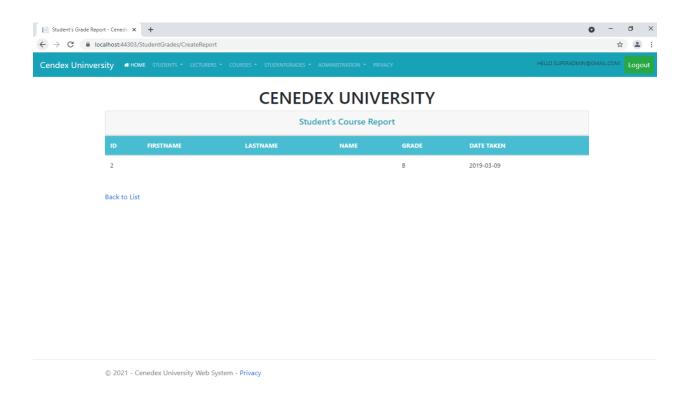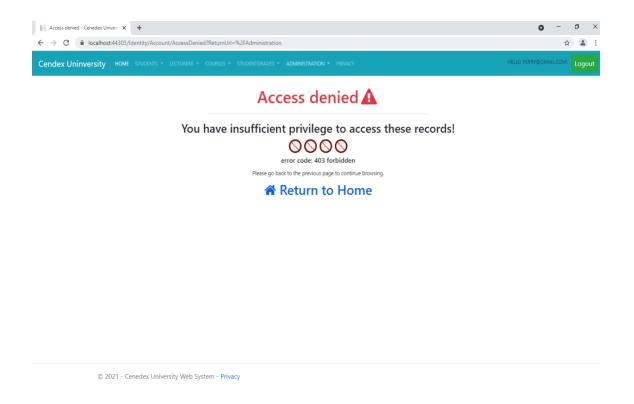**Student Edit/update page**

Student details page

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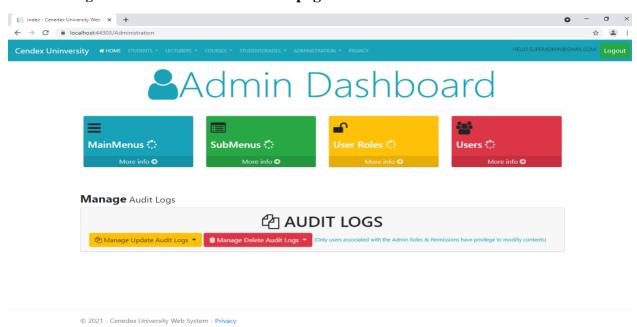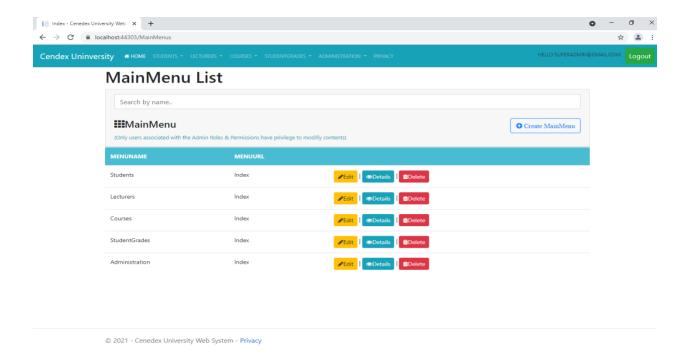

Student's course report generated
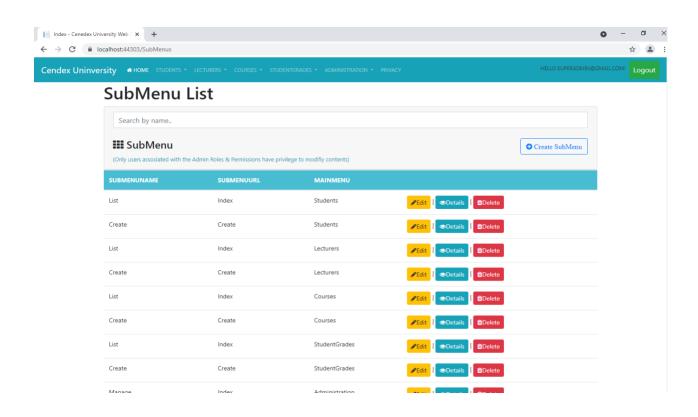
Basic user denied access to Administration page

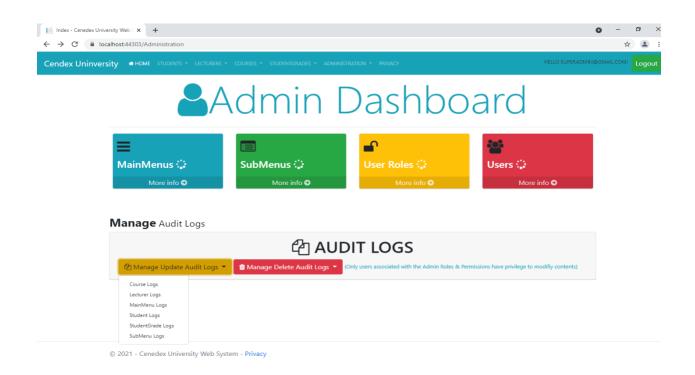**Admin user granted access to Administration page**

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

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

Manage update audit logs from dropdown menu

Manage update audit logs from dropdown menu