

University Database

Made by Bartosz Pasiecznik

Project Overview

This project is a Web MVC application made for a basic University management. Functionality consists of operations on Students, Instructors, Courses and Departments as well as user registration and authentication.

Used Technologies:

- ASP .NET Core 8.0
- Entity Framework Core
- Microsoft SQL Server

Setup

To use this application, you should have a SQL server set up. For this project I used a dockerized container of this server: <https://hub.docker.com/r/microsoft/mssql-server> .

After setting up the SQL server open the UniversityDB project in Visual Studio 2022 and edit *appsettings.json* by inputting your SQL Server address, User ID and Password in *DefaultConnection*.

Now we need to create a database and apply project migrations. In PowerShell, while being in the project folder input the following commands:

```
dotnet ef database update --context SchoolContext
```

```
dotnet ef database update --context AuthDBContext
```

Those commands will initialize the database in your SQL Server. Now we are ready to build and run the project. The database if empty will be automatically seeded with data.

After running the project you will be greeted by a login screen

[University Database](#) [Home](#) [Register](#) [Login](#)

Log In

Register

Use a local account to log in.

☐ Remember me?

Log in

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You can register your account and set your own role or use a provided account to test functionality with every role. Implemented roles are:

- Admin
- Instructor
- Student

Each role has their own permissions that will be explained later.

To login into a provided account input the following credentials:

Role	Login	Password
Student	student@test.com	Student!23
Instructor	instructor@test.com	Instructor!23
Admin	admin@admin.com	Admin!23

After logging in, you will be greeted by the homepage.

[University Database](#) [Home](#) [Students](#) [Courses](#) [Instructors](#) [Departments](#) Hello admin@admin.com! Logout

Welcome, admin@admin.com

Welcome to University Database!

Here you can manage Students, Courses, Instructors as well as Departments.

© 2024 - University Database - Logged User Id : 469dacd3-330f-451a-8167-f66eceb2cde0

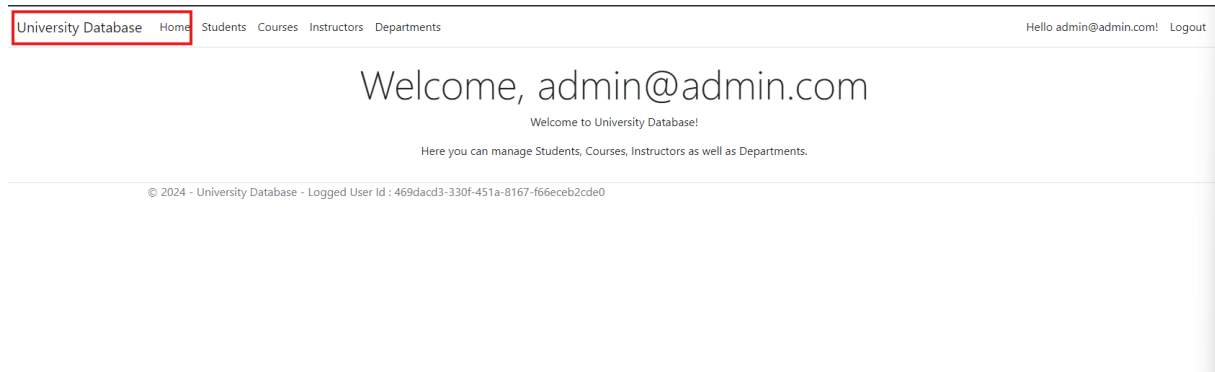
From there you are able to freely navigate the page.

Application Functionality

In this section I will describe the application functionality as well as the roles that are permitted to perform those functions.

1. Home Page

To enter the Home Page, press the University Database or Home buttons in the top left corner of the screen.



This action can be performed by every logged in account.

2. Student tab

In the student tab you are able to:

a) View all added students

To view added students simply click the Students button on any screen. You have to be logged in to view this page.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com! Logout

Student List

[Create New Student](#)

Find Student by name: Search [Back to Full List](#)

Last Name	First Name	Email	Date Of Birth	Enrollment Date	
Hetman	Robert	rhetman@test.com	07-10-2004	09-09-2020	Edit Details Delete
Kabel	Mariusz	mkabel@test.com	02-04-2005	01-01-2019	Edit Details Delete
Kaczmarek	Tomasz	tkaczmarek@test.com	25-08-1992	05-06-2022	Edit Details Delete
Kamińska	Ewa	ekaminska@test.com	30-07-1995	04-05-2021	Edit Details Delete
Kolec	Aleksandra	akolec@test.com	23-07-1999	21-02-2019	Edit Details Delete
Kowalski	Michał	mkowalski@test.com	27-09-1994	08-03-2022	Edit Details Delete
Krawiec	Katarzyna	kkrawiec@test.com	21-04-2003	20-06-2024	Edit Details Delete
Lasecki	Bartosz	blasecki@test.com	23-05-1990	23-12-2021	Edit Details Delete
Lewandowski	Jan	jlewandowski@test.com	12-01-1991	11-11-2022	Edit Details Delete
Muszyńska	Wiktoria	wmuszynska@test.com	12-05-2004	23-12-2022	Edit Details Delete

[Previous](#) [Next](#)

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b) Create new students

To create new students simply click the Create New Student button. To do this you need to log in to an account with Instructor or Admin role.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com! Logout

Student List

[Create New Student](#)

Find Student by name: Search [Back to Full List](#)

Last Name	First Name	Email	Date Of Birth	Enrollment Date	
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Lewandowski	Jan	jlewandowski@test.com	12-01-1991	11-11-2022	Edit Details Delete
Muszyńska	Wiktoria	wmuszynska@test.com	12-05-2004	23-12-2022	Edit Details Delete

[Previous](#) [Next](#)

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After clicking the button you will be asked to provide student information as well as enroll the student in classes.

Create Student

First Name

Last Name

Email

Date of birth

dd.mm.rrrr

Enrollment Date

dd.mm.rrrr

Courses Enrolled In

☐ 1045 Calculus

☐ 1050 Chemistry

☐ 1073 Creative Writing

☐ 1098 Data Structures

☐ 1235 Ancient Civilizations

☐ 1357 Introduction to Engineering

☐ 2021 Composition

☐ 2042 Literature

☐ 2378 Database Systems

☐ 2468 Linear Algebra

☐ 3067 Algorithms

☐ 3124 Physical Chemistry

☐ 3141 Trigonometry

☐ 3347 Quantum Physics

☐ 3541 Poetry

☐ 4022 Microeconomics

☐ 4041 Macroeconomics

☐ 4280 Classical Mechanics

☐ 4563 Operating Systems

☐ 4837 Modern History

☐ 5074 World History

☐ 5319 Finance

☐ 5610 Astrophysics

☐ 6285 Cell Biology

☐ 6423 Marketing Principles

☐ 6745 Biochemistry

☐ 6789 Abstract Algebra

☐ 7432 Genetics

☐ 7584 Business Management

☐ 8321 Organic Chemistry

☐ 8642 Fluid Mechanics

☐ 8971 Environmental Science

☐ 9274 Medieval History

☐ 9587 Inorganic Chemistry

☐ 9753 Thermodynamics

☐ 9870 Software Development

☐ 9876 Differential Equations

Create

c) Find them by name

To find a student by First or Last name, simply input the name in the marked input spot and click Search.

University Database Home Students Courses Instructors Departments Hello admin@admin.com! Logout

Student List

[Create New Student](#)

Find Student by name: Search [Back to Full List](#)

Last Name	First Name	Email	Date Of Birth	Enrollment Date	
Hetman	Robert	rhetman@test.com	07-10-2004	09-09-2020	Edit Details Delete
Kabel	Mariusz	mkabel@test.com	02-04-2005	01-01-2019	Edit Details Delete
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[Previous](#) [Next](#)

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d) Filter by Last Name, Date of Birth or Enrollment Date

To filter the students, click the blue column name to sort ascending or descending by the selected value.

University Database Home Students Courses Instructors Departments Hello admin@admin.com! Logout

Student List

[Create New Student](#)

Find Student by name: Search [Back to Full List](#)

Last Name	First Name	Email	Date Of Birth	Enrollment Date	
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Muszyzna	Wiktoria	wmuszyzna@test.com	12-05-2004	23-12-2022	Edit Details Delete

[Previous](#) [Next](#)

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e) Edit student details

To edit student details you need to be logged into an account with an Instructor or Admin role. Click the Edit button next to the student that you wish to edit.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com! Logout

Student List

[Create New Student](#)

Find Student by name: Search | [Back to Full List](#)

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[Previous](#) [Next](#)

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After clicking the button you will see a similar menu to the Create Student page. Here you can edit the student details.

Edit Student

First Name

Robert

Last Name

Hetman

Email

rhetman@test.com

Date of birth

07.10.2004

Enrollment Date

09.09.2020

Courses Enrolled In

☐ 1045 Calculus

☐ 1098 Data Structures

☐ 2021 Composition

☐ 2468 Linear Algebra

☐ 3141 Trigonometry

☒ 4022 Microeconomics

☐ 4563 Operating Systems

☒ 5319 Finance

☐ 6423 Marketing Principles

☐ 7432 Genetics

☐ 8642 Fluid Mechanics

☐ 9587 Inorganic Chemistry

☐ 9876 Differential Equations

☐ 1050 Chemistry

☐ 1235 Ancient Civilizations

☐ 2042 Literature

☐ 3067 Algorithms

☐ 3347 Quantum Physics

☒ 4041 Macroeconomics

☐ 4837 Modern History

☐ 5610 Astrophysics

☐ 6745 Biochemistry

☐ 7584 Business Management

☐ 8971 Environmental Science

☐ 9753 Thermodynamics

☐ 1073 Creative Writing

☐ 1357 Introduction to Engineering

☐ 2378 Database Systems

☐ 3124 Physical Chemistry

☐ 3541 Poetry

☐ 4280 Classical Mechanics

☐ 5074 World History

☐ 6285 Cell Biology

☐ 6789 Abstract Algebra

☐ 8321 Organic Chemistry

☐ 9274 Medieval History

☐ 9870 Software Development

Save

[Back to List](#)

f) View student details

To see the student details, click Details next to the desired student.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com!Logout

Student List

[Create New Student](#)

Find Student by name: Search [Back to Full List](#)

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[Previous](#) [Next](#)

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After clicking the button, you will see a page with the selected students’ details.

Student Details

Robert Hetman

First Name

Last Name

Email

Date of birth

Enrollment Date

Enrollments

Robert

Hetman

rhetman@test.com

07-10-2004

09-09-2020

Course Title	Grade
Microeconomics	C
Macroeconomics	B
Finance	A

[Edit](#) [Back to List](#)

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g) Delete a student from the database

To delete a student from the database you need to be logged in as an Instructor or an Admin. Click Delete next to the student you wish to delete.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com! Logout

Student List

[Create New Student](#)

Find Student by name: Search [Back to Full List](#)

Last Name	First Name	Email	Date Of Birth	Enrollment Date	
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Kolec	Aleksandra	akolec@test.com	23-07-1999	21-02-2019	Edit Details Delete
Kowalski	Michał	mkowalski@test.com	27-09-1994	08-03-2022	Edit Details Delete
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Lewandowski	Jan	jlewandowski@test.com	12-01-1991	11-11-2022	Edit Details Delete
Muszyna	Wiktoria	wmuszyna@test.com	12-05-2004	23-12-2022	Edit Details Delete

[Previous](#) [Next](#)

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After that you will see a confirmation screen.

Delete

Are you sure you want to delete Robert Hetman?

First Name

Robert

Last Name

Hetman

Email

rhetman@test.com

Date of birth

07-10-2004

Enrollment Date

09-09-2020

Delete

[Back to List](#)

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3. Courses tab

In the courses tab you are able to:

a) View all added courses

To view added courses simply click the Courses button on any screen. You have to be logged in to view this page.

University Database	Home	Students	Courses	Instructors	Departments	Hello admin@admin.com Logout
Available Courses						
Create New Course						
Course ID	Title	Course Description	Credits	Department		
1045	Calculus	Learn to count	4	Mathematics	Edit Details Delete	
1050	Chemistry	Chemistry 101	3	Engineering	Edit Details Delete	
1073	Creative Writing	Develop your writing skills and creativity	3	English	Edit Details Delete	
1098	Data Structures	Organize data for efficient access and modification	4	Computer Science	Edit Details Delete	
1235	Ancient Civilizations	Study the ancient cultures and societies	3	History	Edit Details Delete	
1357	Introduction to Engineering	Basics of engineering principles	3	Engineering	Edit Details Delete	
2021	Composition	Compose with us	3	English	Edit Details Delete	
2042	Literature	Read books professionally	4	English	Edit Details Delete	
2378	Database Systems	Manage and design database systems	4	Computer Science	Edit Details Delete	
2468	Linear Algebra	Study vector spaces and linear mappings	4	Mathematics	Edit Details Delete	
3067	Algorithms	Learn efficient problem-solving techniques	3	Computer Science	Edit Details Delete	
3124	Physical Chemistry	Understand the physical basis of chemical systems	4	Chemistry	Edit Details Delete	
3141	Trigonometry	How do triangles work	4	Mathematics	Edit Details Delete	
3347	Quantum Physics	Dive into the world of subatomic particles	5	Physics	Edit Details Delete	
3541	Poetry	Analyze and write poetry	3	English	Edit Details Delete	

b) Create new courses

To create new courses simply click the Create New Course button. To do this you need to log in to an account with Instructor or Admin role.

University Database	Home	Students	Courses	Instructors	Departments	Hello admin@admin.com Logout
Available Courses						
Create New Course						
Course ID	Title	Course Description	Credits	Department		
1045	Calculus	Learn to count	4	Mathematics	Edit Details Delete	
1050	Chemistry	Chemistry 101	3	Engineering	Edit Details Delete	
1073	Creative Writing	Develop your writing skills and creativity	3	English	Edit Details Delete	
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3067	Algorithms	Learn efficient problem-solving techniques	3	Computer Science	Edit Details Delete	
3124	Physical Chemistry	Understand the physical basis of chemical systems	4	Chemistry	Edit Details Delete	
3141	Trigonometry	How do triangles work	4	Mathematics	Edit Details Delete	
3347	Quantum Physics	Dive into the world of subatomic particles	5	Physics	Edit Details Delete	
3541	Poetry	Analyze and write poetry	3	English	Edit Details Delete	

After clicking the button you will be asked to provide course information like Course Number, Title, Description, Credits and Department assigned to the Course.

Create New Course

Number

Title

Description

Credits

Department

-- Select Department --

Create

[Back to List](#)

c) Edit course details

To edit course details you need to be logged into an account with an Instructor or Admin role. Click the Edit button next to the course that you wish to edit.

Available Courses

[Create New Course](#)

Course ID	Title	Course Description	Credits	Department	
1045	Calculus	Learn to count	4	Mathematics	Edit Details Delete
1050	Chemistry	Chemistry 101	3	Engineering	Edit Details Delete
1073	Creative Writing	Develop your writing skills and creativity	3	English	Edit Details Delete
1098	Data Structures	Organize data for efficient access and modification	4	Computer Science	Edit Details Delete
1235	Ancient Civilizations	Study the ancient cultures and societies	3	History	Edit Details Delete
1357	Introduction to Engineering	Basics of engineering principles	3	Engineering	Edit Details Delete
2021	Composition	Compose with us	3	English	Edit Details Delete
2042	Literature	Read books professionally	4	English	Edit Details Delete
2378	Database Systems	Manage and design database systems	4	Computer Science	Edit Details Delete
2468	Linear Algebra	Study vector spaces and linear mappings	4	Mathematics	Edit Details Delete
3067	Algorithms	Learn efficient problem-solving techniques	3	Computer Science	Edit Details Delete
3124	Physical Chemistry	Understand the physical basis of chemical systems	4	Chemistry	Edit Details Delete
3141	Trigonometry	How do triangles work	4	Mathematics	Edit Details Delete
3347	Quantum Physics	Dive into the world of subatomic particles	5	Physics	Edit Details Delete
3541	Poetry	Analyze and write poetry	3	English	Edit Details Delete

After clicking the button you will see a similar menu to the Create Course page. Here you can edit the course details.

Edit Course

Number

1045

Title

Calculus

Description

Learn to count

Credits

4

Department

Mathematics

Save

[Back to List](#)

d) View course details

To see the course details, click Details next to the desired course.

University Database Home Students Courses Instructors Departments

Hello admin@admin.com Logout

Available Courses

Create New Course

Course ID	Title	Course Description	Credits	Department	
1045	Calculus	Learn to count	4	Mathematics	Edit Details Delete
1050	Chemistry	Chemistry 101	3	Engineering	Edit Details Delete
1073	Creative Writing	Develop your writing skills and creativity	3	English	Edit Details Delete
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2021	Composition	Compose with us	3	English	Edit Details Delete
2042	Literature	Read books professionally	4	English	Edit Details Delete
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3347	Quantum Physics	Dive into the world of subatomic particles	5	Physics	Edit Details Delete
3541	Poetry	Analyze and write poetry	3	English	Edit Details Delete

After clicking the button, you will see a page with the selected courses details.

Course Details

Calculus

Number	1045
Title	Calculus
Description	Learn to count
Credits	4
Department	Mathematics

[Edit](#) | [Back to List](#)

e) Delete a course from the database

To delete a course from the database you need to be logged in as an Instructor or an Admin. Click Delete next to the course you wish to delete.

Available Courses

[Create New Course](#)

Course ID	Title	Course Description	Credits	Department	
1045	Calculus	Learn to count	4	Mathematics	Edit Details Delete
1050	Chemistry	Chemistry 101	3	Engineering	Edit Details Delete
1073	Creative Writing	Develop your writing skills and creativity	3	English	Edit Details Delete
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1357	Introduction to Engineering	Basics of engineering principles	3	Engineering	Edit Details Delete
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3541	Poetry	Analyze and write poetry	3	English	Edit Details Delete

After that you will see a confirmation screen.

Delete

Are you sure you want to delete Calculus course?

Number	1045
Title	Calculus
Description	Learn to count
Credits	4
Department	Mathematics

Delete

 | [Back to List](#)

4. Instructor tab

In the Instructor tab you are able to:

a) View all added instructors

To view added instructors simply click the Instructors button on any screen. You have to be logged in to view this page.

University Database	Home	Students	Courses	Instructors	Departments	Hello admin@admin.com	Logout
Instructor List							
Create New Instructor							
Last Name	First Name	Hire Date	Office Location	Courses Taught			
Abercrombie	Kim	11-03-1995	Smith 101	Composition Literature Marketing Principles	Select Instructor	Edit	Details Delete
Anderson	Jessica	17-07-1998	Gowan 112	Algorithms Organic Chemistry Fluid Mechanics	Select Instructor	Edit	Details Delete
Brown	Michael	03-04-2003	Johnson 22	Ancient Civilizations Microeconomics Astrophysics Abstract Algebra	Select Instructor	Edit	Details Delete
Davis	Sarah	10-09-1999	Clark 110	Calculus Classical Mechanics Biochemistry Differential Equations	Select Instructor	Edit	Details Delete
Doe	John	22-08-1996			Select Instructor	Edit	Details Delete
Fakhouri	Fadi	06-07-2002	Smith 17	Calculus Finance	Select Instructor	Edit	Details Delete
Harui	Roger	01-07-1998	Gowan 27	Chemistry Trigonometry Software Development	Select Instructor	Edit	Details Delete
Johnson	Emily	19-11-2000	Wells 310	Poetry Macroeconomics World History Medieval History	Select Instructor	Edit	Details Delete

b) Create new instructors

To create new instructors simply click the Create New Instructor button. To do this you need to log in to an account with Admin role.

University Database	Home	Students	Courses	Instructors	Departments	Hello admin@admin.com	Logout
Instructor List							
Create New Instructor							
Last Name	First Name	Hire Date	Office Location	Courses Taught			
Abercrombie	Kim	11-03-1995	Smith 101	Composition Literature Marketing Principles	Select Instructor	Edit	Details Delete
Anderson	Jessica	17-07-1998	Gowan 112	Algorithms Organic Chemistry Fluid Mechanics	Select Instructor	Edit	Details Delete
Brown	Michael	03-04-2003	Johnson 22	Ancient Civilizations Microeconomics Astrophysics Abstract Algebra	Select Instructor	Edit	Details Delete
Davis	Sarah	10-09-1999	Clark 110	Calculus Classical Mechanics Biochemistry Differential Equations	Select Instructor	Edit	Details Delete
Doe	John	22-08-1996			Select Instructor	Edit	Details Delete
Fakhouri	Fadi	06-07-2002	Smith 17	Calculus Finance	Select Instructor	Edit	Details Delete
Harui	Roger	01-07-1998	Gowan 27	Chemistry Trigonometry Software Development	Select Instructor	Edit	Details Delete
Johnson	Emily	19-11-2000	Wells 310	Poetry Macroeconomics World History Medieval History	Select Instructor	Edit	Details Delete

After clicking the button you will be asked to provide instructor information like Instructor first and last name, Hire date, Office location and Courses taught by the instructor.

Create New Instructor

Last Name

First Name

Hire Date

dd.mm.rrrr

Office Location

Courses Taught

☐ 1045 Calculus

☐ 1098 Data Structures

☐ 2021 Composition

☐ 2468 Linear Algebra

☐ 3141 Trigonometry

☐ 4022 Microeconomics

☐ 4563 Operating Systems

☐ 5319 Finance

☐ 6423 Marketing Principles

☐ 7432 Genetics

☐ 8642 Fluid Mechanics

☐ 9587 Inorganic Chemistry

☐ 9876 Differential Equations

☐ 1050 Chemistry

☐ 1235 Ancient Civilizations

☐ 2042 Literature

☐ 3067 Algorithms

☐ 3347 Quantum Physics

☐ 4041 Macroeconomics

☐ 4837 Modern History

☐ 5610 Astrophysics

☐ 6745 Biochemistry

☐ 7584 Business Management

☐ 8971 Environmental Science

☐ 9753 Thermodynamics

☐ 1073 Creative Writing

☐ 1357 Introduction to Engineering

☐ 2378 Database Systems

☐ 3124 Physical Chemistry

☐ 3541 Poetry

☐ 4280 Classical Mechanics

☐ 5074 World History

☐ 6285 Cell Biology

☐ 6789 Abstract Algebra

☐ 8321 Organic Chemistry

☐ 9274 Medieval History

☐ 9870 Software Development

Create

[Back to List](#)

c) Edit instructor details

To edit instructor details you need to be logged into an account with an Admin role. Click the Edit button next to the instructor that you wish to edit.

University Database Home Students Courses Instructors Departments

Hello admin@admin.com Logout

Instructor List

[Create New Instructor](#)

Last Name	First Name	Hire Date	Office Location	Courses Taught	
Abercrombie	Kim	11-03-1995	Smith 101	Composition Literature Marketing Principles	Select Instructor Edit Details Delete
Anderson	Jessica	17-07-1998	Gowan 112	Algorithms Organic Chemistry Fluid Mechanics	Select Instructor Edit Details Delete
Brown	Michael	03-04-2003	Johnson 22	Ancient Civilizations Microeconomics Astrophysics Abstract Algebra	Select Instructor Edit Details Delete
Davis	Sarah	10-09-1999	Clark 110	Calculus Classical Mechanics Biochemistry Differential Equations	Select Instructor Edit Details Delete
Doe	John	22-08-1996			Select Instructor Edit Details Delete
Fakhouri	Fadi	06-07-2002	Smith 17	Calculus Finance	Select Instructor Edit Details Delete
Harui	Roger	01-07-1998	Gowan 27	Chemistry Trigonometry Software Development	Select Instructor Edit Details Delete
Johnson	Emily	19-11-2000	Wells 310	Poetry Macroeconomics World History Medieval History	Select Instructor Edit Details Delete

After clicking the button you will see a similar menu to the Create New Instructor page. Here you can edit the instructor details.

Edit Instructor

Kim Abercrombie

Last Name

Abercrombie

First Name

Kim

Hire Date

11.03.1995

Office Location

Smith 101

Courses Taught

☐ 1045 Calculus

☐ 1098 Data Structures

☒ 2021 Composition

☐ 2468 Linear Algebra

☐ 3141 Trigonometry

☐ 4022 Microeconomics

☐ 4563 Operating Systems

☐ 5319 Finance

☒ 6423 Marketing Principles

☐ 7432 Genetics

☐ 8642 Fluid Mechanics

☐ 9587 Inorganic Chemistry

☐ 9876 Differential Equations

☐ 1050 Chemistry

☐ 1235 Ancient Civilizations

☒ 2042 Literature

☐ 3067 Algorithms

☐ 3347 Quantum Physics

☐ 4041 Macroeconomics

☐ 4837 Modern History

☐ 5610 Astrophysics

☐ 6745 Biochemistry

☐ 7584 Business Management

☐ 8971 Environmental Science

☐ 9753 Thermodynamics

☐ 1073 Creative Writing

☐ 1357 Introduction to Engineering

☐ 2378 Database Systems

☐ 3124 Physical Chemistry

☐ 3541 Poetry

☐ 4280 Classical Mechanics

☐ 5074 World History

☐ 6285 Cell Biology

☐ 6789 Abstract Algebra

☐ 8321 Organic Chemistry

☐ 9274 Medieval History

☐ 9870 Software Development

[Back to List](#)

Save

d) View instructor details

To see the instructor details, click Details next to the desired instructor.

University Database Home Students Courses Instructors Departments

Hello admin@admin.com/ Logout

Instructor List

[Create New Instructor](#)

Last Name	First Name	Hire Date	Office Location	Courses Taught	
Abercrombie	Kim	11-03-1995	Smith 101	Composition Literature Marketing Principles	Select Instructor Edit Details Delete
Anderson	Jessica	17-07-1998	Gowan 112	Algorithms Organic Chemistry Fluid Mechanics	Select Instructor Edit Details Delete
Brown	Michael	03-04-2003	Johnson 22	Ancient Civilizations Microeconomics Astrophysics Abstract Algebra	Select Instructor Edit Details Delete
Davis	Sarah	10-09-1999	Clark 110	Calculus Classical Mechanics Biochemistry Differential Equations	Select Instructor Edit Details Delete
Doe	John	22-08-1996			Select Instructor Edit Details Delete
Fakhouri	Fadi	06-07-2002	Smith 17	Calculus Finance	Select Instructor Edit Details Delete
Hanui	Roger	01-07-1998	Gowan 27	Chemistry Trigonometry Software Development	Select Instructor Edit Details Delete
Johnson	Emily	19-11-2000	Wells 310	Poetry Macroeconomics World History Medieval History	Select Instructor Edit Details Delete

After clicking the button, you will see a page with the selected instructor’s details.

Details
Kim Abercrombie

Last Name	Abercrombie
First Name	Kim
Hire Date	11-03-1995
CourseAssignments	<div>Course Title</div> <div>Composition</div> <div>Literature</div> <div>Marketing Principles</div>

[Edit](#) | [Back to List](#)

e) Delete an instructor from the database

To delete an instructor from the database you need to be logged in as an Admin. Click Delete next to the instructor you wish to delete.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com | Logout

Instructor List

Create New Instructor

Last Name	First Name	Hire Date	Office Location	Courses Taught	
Abercrombie	Kim	11-03-1995	Smith 101	Composition Literature Marketing Principles	Select Instructor Edit Details Delete
Anderson	Jessica	17-07-1998	Gowan 112	Algorithms Organic Chemistry Fluid Mechanics	Select Instructor Edit Details Delete
Brown	Michael	03-04-2003	Johnson 22	Ancient Civilizations Microeconomics Astrophysics Abstract Algebra	Select Instructor Edit Details Delete
Davis	Sarah	10-09-1999	Clark 110	Calculus Classical Mechanics Biochemistry Differential Equations	Select Instructor Edit Details Delete
Doe	John	22-08-1996			Select Instructor Edit Details Delete
Fakhouri	Fadi	06-07-2002	Smith 17	Calculus Finance	Select Instructor Edit Details Delete
Harui	Roger	01-07-1998	Gowan 27	Chemistry Trigonometry Software Development	Select Instructor Edit Details Delete
Johnson	Emily	19-11-2000	Wells 310	Poetry Macroeconomics World History Medieval History	Select Instructor Edit Details Delete

After that you will see a confirmation screen.

Delete

Are you sure you want to delete Kim Abercrombie?

Instructor

Last Name

Abercrombie

First Name

Kim

Hire Date

11-03-1995

Delete

Back to List

f) Show courses taught by selected instructor and students enrolled in selected course

To see courses taught by a selected instructor, click the Select Instructor button.

University Database Home Students Courses Instructors Departments Hello admin@admin.com Logout

Instructor List

[Create New Instructor](#)

Last Name	First Name	Hire Date	Office Location	Courses Taught	
Abercrombie	Kim	11-03-1995	Smith 101	Composition Literature Marketing Principles	Select Instructor Edit Details Delete
Anderson	Jessica	17-07-1998	Gowan 112	Algorithms Organic Chemistry Fluid Mechanics	Select Instructor Edit Details Delete
Brown	Michael	03-04-2003	Johnson 22	Ancient Civilizations Microeconomics Astrophysics Abstract Algebra	Select Instructor Edit Details Delete
Davis	Sarah	10-09-1999	Clark 110	Calculus Classical Mechanics Biochemistry Differential Equations	Select Instructor Edit Details Delete
Doe	John	22-08-1996			Select Instructor Edit Details Delete
Fakhouri	Fadi	06-07-2002	Smith 17	Calculus Finance	Select Instructor Edit Details Delete
Harui	Roger	01-07-1998	Gowan 27	Chemistry Trigonometry Software Development	Select Instructor Edit Details Delete
Johnson	Emily	19-11-2000	Wells 310	Poetry Macroeconomics World History Medieval History	Select Instructor Edit Details Delete

Here you will see a menu showing all the courses that are taught by a selected instructor. To see which students are enrolled in a selected course click Show Enrolled Students.

Smith	Alice	15-05-1997	Thompson 208	Chemistry Creative Writing Data Structures Modern History	Select Instructor Edit Details Delete
Taylor	James	14-12-2002	Smith 303	Literature Genetics Thermodynamics	Select Instructor Edit Details Delete
Thomas	Robert	23-03-2001		Data Structures Business Management Inorganic Chemistry	Select Instructor Edit Details Delete
Wilson	David	05-06-2005	Wells 105	Linear Algebra Trigonometry Quantum Physics Environmental Science	Select Instructor Edit Details Delete
Zheng	Roger	12-02-2004	Gowan 15	Database Systems Algorithms Microeconomics Macroeconomics	Select Instructor Edit Details Delete

Courses Taught by Selected Instructor

	Course ID	Title	Department
Show Enrolled Students	1050	Chemistry	Engineering
Show Enrolled Students	1073	Creative Writing	English
Show Enrolled Students	1098	Data Structures	Computer Science
Show Enrolled Students	4837	Modern History	History

Then you will see all of the students enrolled in selected course, along with the corresponding grade.

Courses Taught by Selected Instructor

	Course ID	Title	Department
Show Enrolled Students	1050	Chemistry	Engineering
Show Enrolled Students	1073	Creative Writing	English
Show Enrolled Students	1098	Data Structures	Computer Science
Show Enrolled Students	4837	Modern History	History

Students Enrolled in Selected Course

Name	Grade
Wiśniewska, Anna	C

5. Department tab

In the Department tab you are able to:

a) View all added departments

To view added departments simply click the Departments button on any screen. You have to be logged in to view this page.

University Database	Home	Students	Courses	Instructors	Departments	Hello admin@admin.com Logout
Departments						Create New Department
Name	Budget	StartDate	Administrator			
English	350 000,00 zł	01-09-2007	Abercrombie, Kim	Edit	Details	Delete
Mathematics	100 000,00 zł	01-09-2007	Fakhouri, Fadi	Edit	Details	Delete
Engineering	350 000,00 zł	01-09-2007	Harui, Roger	Edit	Details	Delete
Economics	100 000,00 zł	01-09-2007	Kapoor, Candace	Edit	Details	Delete
Computer Science	200 000,00 zł	01-09-2007	Zheng, Roger	Edit	Details	Delete
History	150 000,00 zł	01-09-2007	Smith, Alice	Edit	Details	Delete
Physics	250 000,00 zł	01-09-2007	Johnson, Emily	Edit	Details	Delete
Biology	300 000,00 zł	01-09-2007	Brown, Michael	Edit	Details	Delete
Chemistry	275 000,00 zł	01-09-2007	Davis, Sarah	Edit	Details	Delete
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b) Create new departments

To create new departments simply click the Create New Department button. To do this you need to log in to an account with Admin role.

University Database	Home	Students	Courses	Instructors	Departments	Hello admin@admin.com Logout
Departments						Create New Department
Name	Budget	StartDate	Administrator			
English	350 000,00 zł	01-09-2007	Abercrombie, Kim	Edit	Details	Delete
Mathematics	100 000,00 zł	01-09-2007	Fakhouri, Fadi	Edit	Details	Delete
Engineering	350 000,00 zł	01-09-2007	Harui, Roger	Edit	Details	Delete
Economics	100 000,00 zł	01-09-2007	Kapoor, Candace	Edit	Details	Delete
Computer Science	200 000,00 zł	01-09-2007	Zheng, Roger	Edit	Details	Delete
History	150 000,00 zł	01-09-2007	Smith, Alice	Edit	Details	Delete
Physics	250 000,00 zł	01-09-2007	Johnson, Emily	Edit	Details	Delete
Biology	300 000,00 zł	01-09-2007	Brown, Michael	Edit	Details	Delete
Chemistry	275 000,00 zł	01-09-2007	Davis, Sarah	Edit	Details	Delete
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After clicking the button you will be asked to provide department information like Department name, budget, department start date and select a department admin.

Create Department

Name	<input type="text"/>
Budget	<input type="text"/>
Start Date	<input type="text" value="dd.mm.rrrr"/>
Department Administrator	<input type="text" value="-- Select Administrator --"/>
	<input type="button" value="Create"/>
	Back to List

c) Edit department details

To edit department details you need to be logged into an account with an Admin role. Click the Edit button next to the department that you wish to edit.

University Database Home Students Courses Instructors Departments Hello admin@admin.com Logout

Departments

[Create New Department](#)

Name	Budget	StartDate	Administrator	
English	350 000,00 zł	01-09-2007	Abercrombie, Kim	Edit Details Delete
Mathematics	100 000,00 zł	01-09-2007	Fakhouri, Fadi	Edit Details Delete
Engineering	350 000,00 zł	01-09-2007	Harui, Roger	Edit Details Delete
Economics	100 000,00 zł	01-09-2007	Kapoor, Candace	Edit Details Delete
Computer Science	200 000,00 zł	01-09-2007	Zheng, Roger	Edit Details Delete
History	150 000,00 zł	01-09-2007	Smith, Alice	Edit Details Delete
Physics	250 000,00 zł	01-09-2007	Johnson, Emily	Edit Details Delete
Biology	300 000,00 zł	01-09-2007	Brown, Michael	Edit Details Delete
Chemistry	275 000,00 zł	01-09-2007	Davis, Sarah	Edit Details Delete

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After clicking the button you will see a similar menu to the Create New Department page. Here you can edit the department details.

Edit Department

Name

English

Budget

350000

Start Date

01.09.2007

Department Administrator

Abercrombie, Kim

Save

[Back to List](#)

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d) View department details

To see the department details, click Details next to the desired department.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com

Logout

Departments

[Create New Department](#)

Name	Budget	StartDate	Administrator	
English	350 000,00 zł	01-09-2007	Abercrombie, Kim	Edit Details Delete
Mathematics	100 000,00 zł	01-09-2007	Fakhouri, Fadi	Edit Details Delete
Engineering	350 000,00 zł	01-09-2007	Harui, Roger	Edit Details Delete
Economics	100 000,00 zł	01-09-2007	Kapoor, Candace	Edit Details Delete
Computer Science	200 000,00 zł	01-09-2007	Zheng, Roger	Edit Details Delete
History	150 000,00 zł	01-09-2007	Smith, Alice	Edit Details Delete
Physics	250 000,00 zł	01-09-2007	Johnson, Emily	Edit Details Delete
Biology	300 000,00 zł	01-09-2007	Brown, Michael	Edit Details Delete
Chemistry	275 000,00 zł	01-09-2007	Davis, Sarah	Edit Details Delete

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After clicking the button, you will see a page with the selected department's details.

Department Details

English

Name English
Budget 350 000,00 zł
StartDate 01-09-2007
Administrator Abercrombie, Kim

[Edit](#) | [Back to List](#)

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e) Delete a department from the database

To delete a department from the database you need to be logged in as an Admin. Click Delete next to the department you wish to delete.

University Database

Home

Students

Courses

Instructors

Departments

Hello admin@admin.com | Logout

Departments

[Create New Department](#)

Name	Budget	StartDate	Administrator	
English	350 000,00 zł	01-09-2007	Abercrombie, Kim	Edit Details Delete
Mathematics	100 000,00 zł	01-09-2007	Fakhouri, Fadi	Edit Details Delete
Engineering	350 000,00 zł	01-09-2007	Harui, Roger	Edit Details Delete
Economics	100 000,00 zł	01-09-2007	Kapoor, Candace	Edit Details Delete
Computer Science	200 000,00 zł	01-09-2007	Zheng, Roger	Edit Details Delete
History	150 000,00 zł	01-09-2007	Smith, Alice	Edit Details Delete
Physics	250 000,00 zł	01-09-2007	Johnson, Emily	Edit Details Delete
Biology	300 000,00 zł	01-09-2007	Brown, Michael	Edit Details Delete
Chemistry	275 000,00 zł	01-09-2007	Davis, Sarah	Edit Details Delete

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After that you will see a confirmation screen.

Delete

Are you sure you want to delete English department?

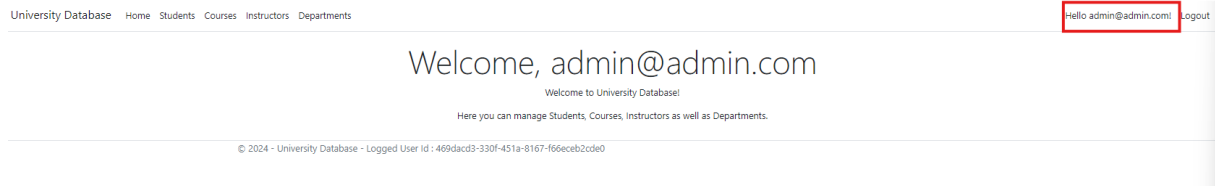
Department

Name	English
Budget	350 000,00 zł
StartDate	01-09-2007
Administrator	Abercrombie, Kim
<div>Delete Back to List</div>	

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6. Manage your account.

To manage your account, click your e-mail shown in the top right of the screen.



a) Manage your profile

In the Profile tab you can manage your profile information.

Manage your account

Change your account settings

Profile	Profile
Email	<div>Username admin@admin.com</div>
Password	
Two-factor authentication	<div>Phone number</div>
Personal data	<div>Save</div>

b) Change your email

In the Email tab you can change your email.

Manage your account

Change your account settings

Profile	Manage Email
Email	Email admin@admin.com
Password	Send verification email
Two-factor authentication	New email admin@admin.com
Personal data	Change email

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c) Change your password

In the Password tab you can change your password.

Manage your account

Change your account settings

Profile	Change password
Email	Current password
Password	New password
Two-factor authentication	Confirm new password
Personal data	Update password

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d) Enable two factor authentication

In the Two-factor authentication tab you can enable 2FA.

Manage your account

Change your account settings

[Profile](#)[Email](#)[Password](#)[Two-factor authentication](#)[Personal data](#)

Two-factor authentication (2FA)

Authenticator app

[Set up authenticator app](#)[Reset authenticator app](#)

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e) Download or delete your personal data

In the Personal Data tab you can download or delete your personal data.

Manage your account

Change your account settings

[Profile](#)[Email](#)[Password](#)[Two-factor authentication](#)[Personal data](#)

Personal Data

Your account contains personal data that you have given us. This page allows you to download or delete that data.

Deleting this data will permanently remove your account, and this cannot be recovered.

[Download](#)[Delete](#)

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