



Easy-Learn

Education Portal University

Supervised by

Asst. Prof. Dr. Amira AlShazly

Faculty of Computers and Data Sciences,

Alexandria University.

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**Project Name**

**Education Portal**

**Team Members**

|  |  |  |
| --- | --- | --- |
| Name | ID | Role |
| Alia Medhat | 20221440735 | Web Developer |
| Mohamed Gomaa | 2103129 | System Designer |
| Malak Mahmoud | 20221445867 | System Analyst |
| Nouran Mohamed | 20221321932 | Requirement Engineer |
| Noha Nael | 2103130 | System Designer |
| Youssef Farouk | 20201310051 | Web Developer |

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# Project Domain

Platform for education portal.

# Project Name and Type

* Project Name: ‘Easy-Learn’.
* Project Type: Education Portal Website.

# Project Description

The project aims to create a user-friendly educational portal that multiple universities can utilize. This platform will provide an easy-to-use interface for students, offering a variety of courses, interactive content, and quizzes. The focus is on simplicity to ensure students from different universities can access educational materials effortlessly.

# The Delivery Service for the Customer

Easy-Learn provides a user-friendly educational portal for learning and teaching. Students will gain convenient access to a wide range of educational content, interactive courses, and the flexibility to learn at their own pace. Easy-Learn also enable students to enhance their academic skills and pursue their educational goals.

# Functional Requirements

## Student Management (Login-Sign Up)

* Student shall be able to create accounts.
* The system shall have a secure login and password recovery.

## Course Management (Manage/View Courses)

* Admins shall be able to create and manage courses.
* Students shall be able to view courses.
* Admins shall be able to upload text, video, and interactive content.

## Exercises and Grading

* Admins shall be able to create exercises for every course.
* The system shall automatically grade and gives feedback.
* Students shall be able to view their performance on the course.

## Search and Navigation

* Students shall be able to search for courses and materials.
* The system shall be customizable interface with quick access to courses.

# Non-Functional Requirements

## Performance

* The system shall have acceptable response times for different actions.
* The system shall handle increasing numbers of students and content.
* The website shall be available and reliable.

## Security

* The system shall encrypt all sensitive data.
* The system shall compliance with data protection regulations.
* The system shall implement role-based access control.
* The student shall authenticate themself with their given email address in the registration phase.

## Usability

* The website shall be easy to use and navigate for students of all skill levels.

## Compatibility

* The system shall be compatible with popular web browsers.
* The system shall be compatibility with different operating systems.

## Maintainability

* The system shall use version control tools for code management.
* The document shall maintain detailed documentation for the project.

## Scalability

* The system shall handle a growing in students base.

# ****Agile Requirements****

* The e-learning website will be developed using an agile methodology. This means that the requirements will be prioritized and implemented iteratively, with feedback from stakeholders being gathered throughout the development process.

# Glossary

The following terms are used in this SRS document:

* Course: A collection of learning materials and activities on a specific topic.
* Admin: A person who creates and manage courses.
* Student: A person who interacts with the e-learning website.

# Prioritized Requirements

The following **functional requirements** have been prioritized for the initial release of the e-learning website:

1. Student management
2. Course management

The following **non-functional requirements** have been prioritized for the initial release of the e-learning website:

1. Performance
2. Security
3. Usability

# Assumptions and Constraints

The following assumptions and constraints apply to the e-learning website project:

* The website will be hosted on a cloud-based platform.
* The website will be developed using open-source technologies.
* The website will be initially developed for use on desktop and laptop computers.

# Verification

The following methods will be used to verify that the e-learning website meets the requirements:

* Unit testing
* Integration testing
* System testing
* User acceptance testing

# Diagrams

## Sequence Diagram

Student Sequence Diagram

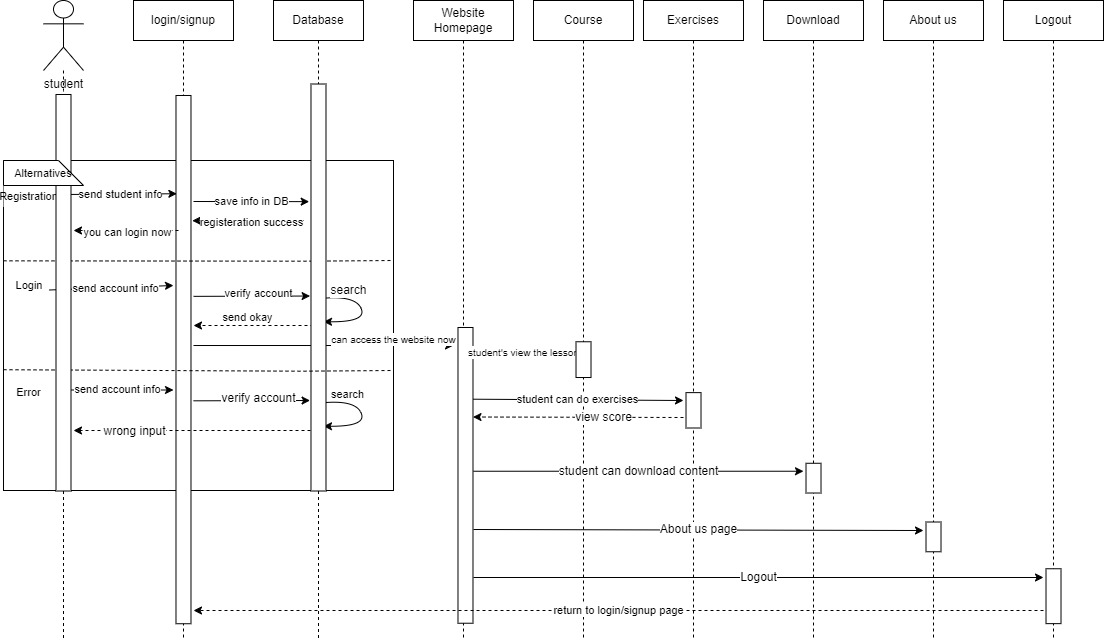


Figure 1: Student Sequence Diagram

Admin Sequence Diagram

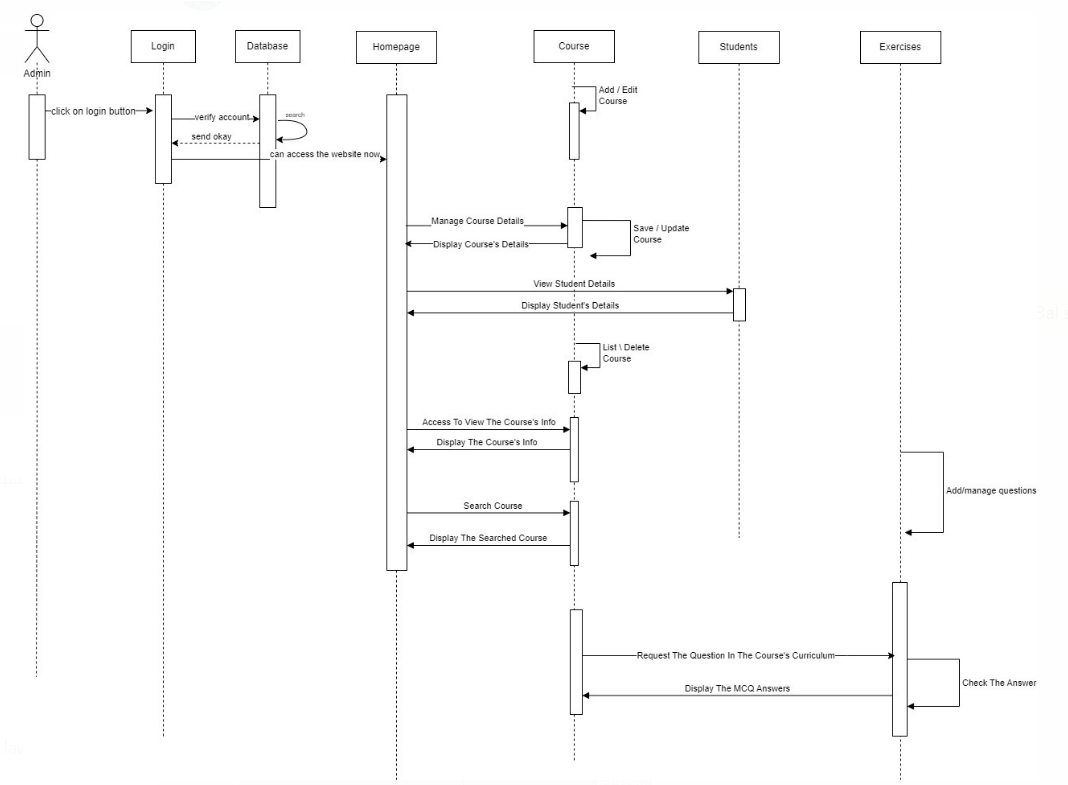


Figure 2: Admin Sequence Diagram

## Activity Diagram

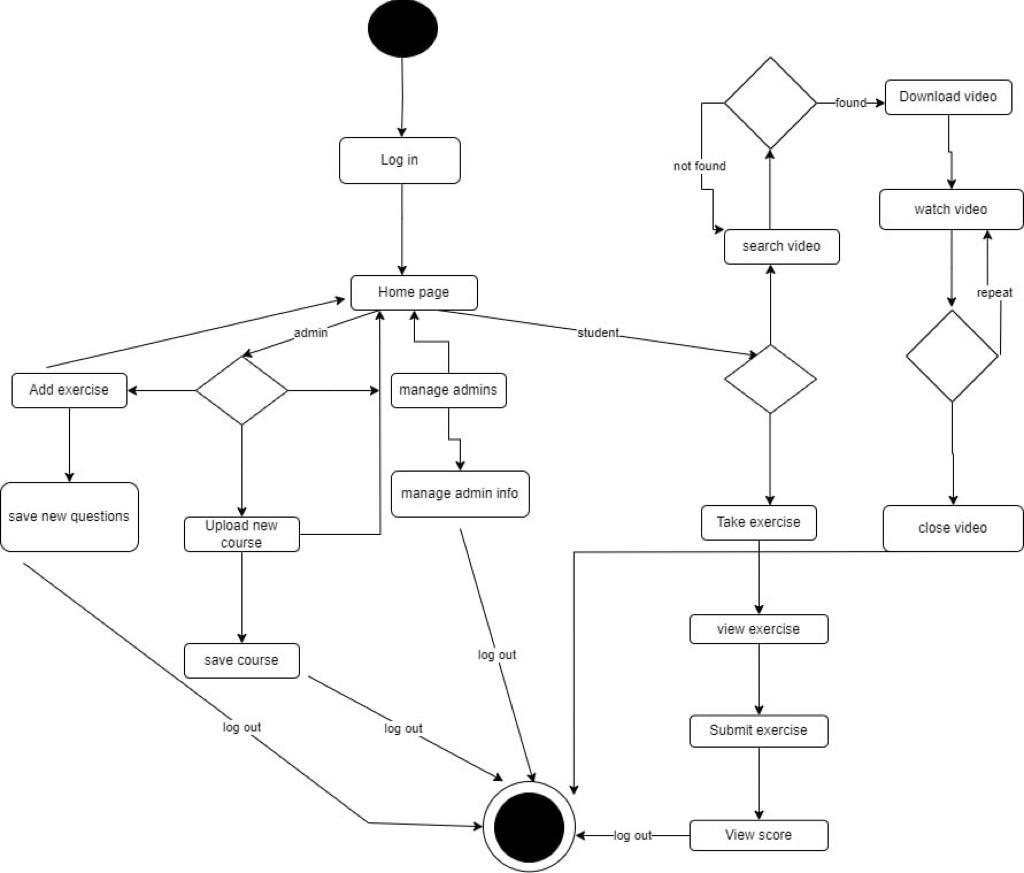


Figure 3: Activity Diagram

## Class Diagram

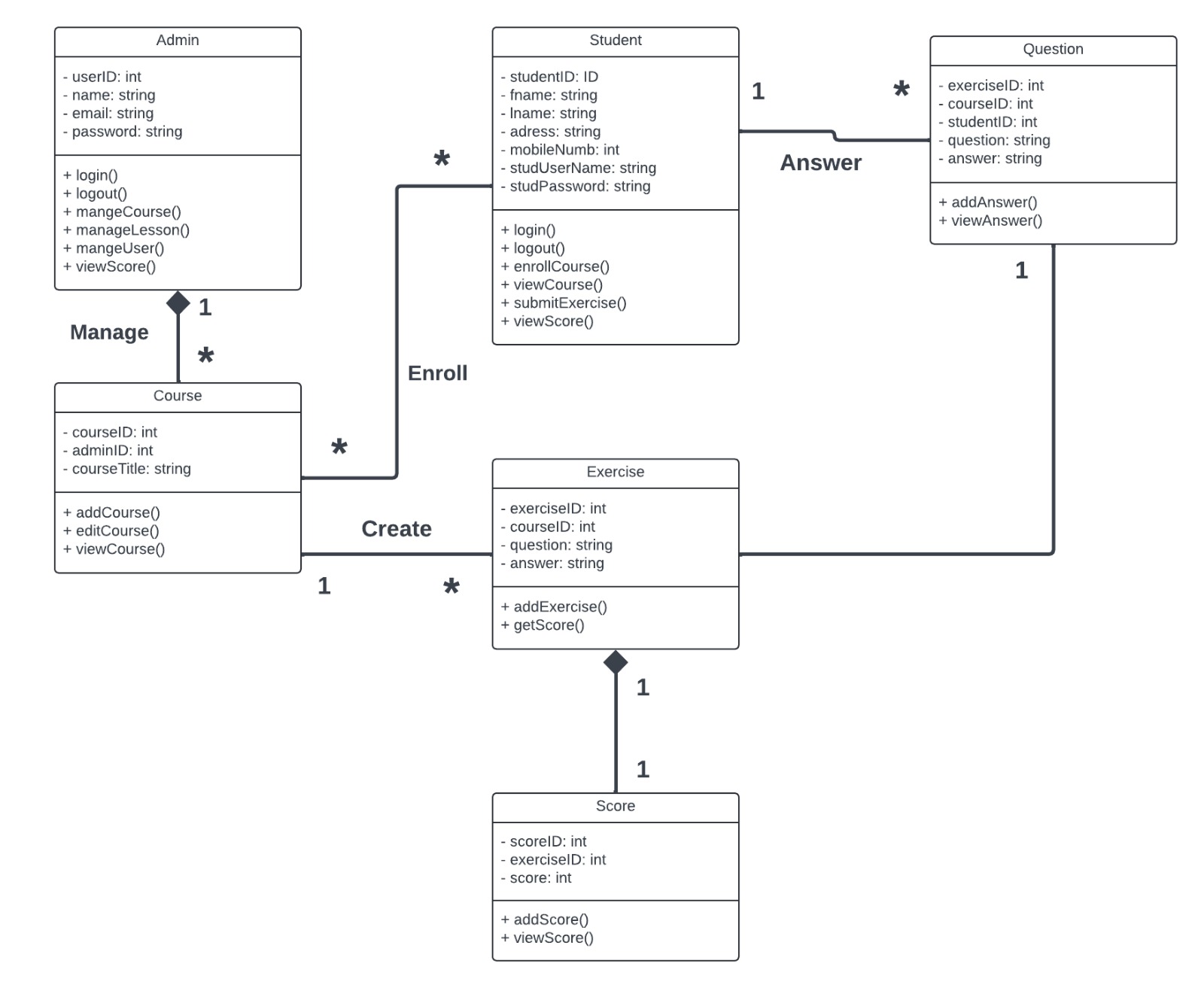


Figure 4: Class Diagram

## ERD

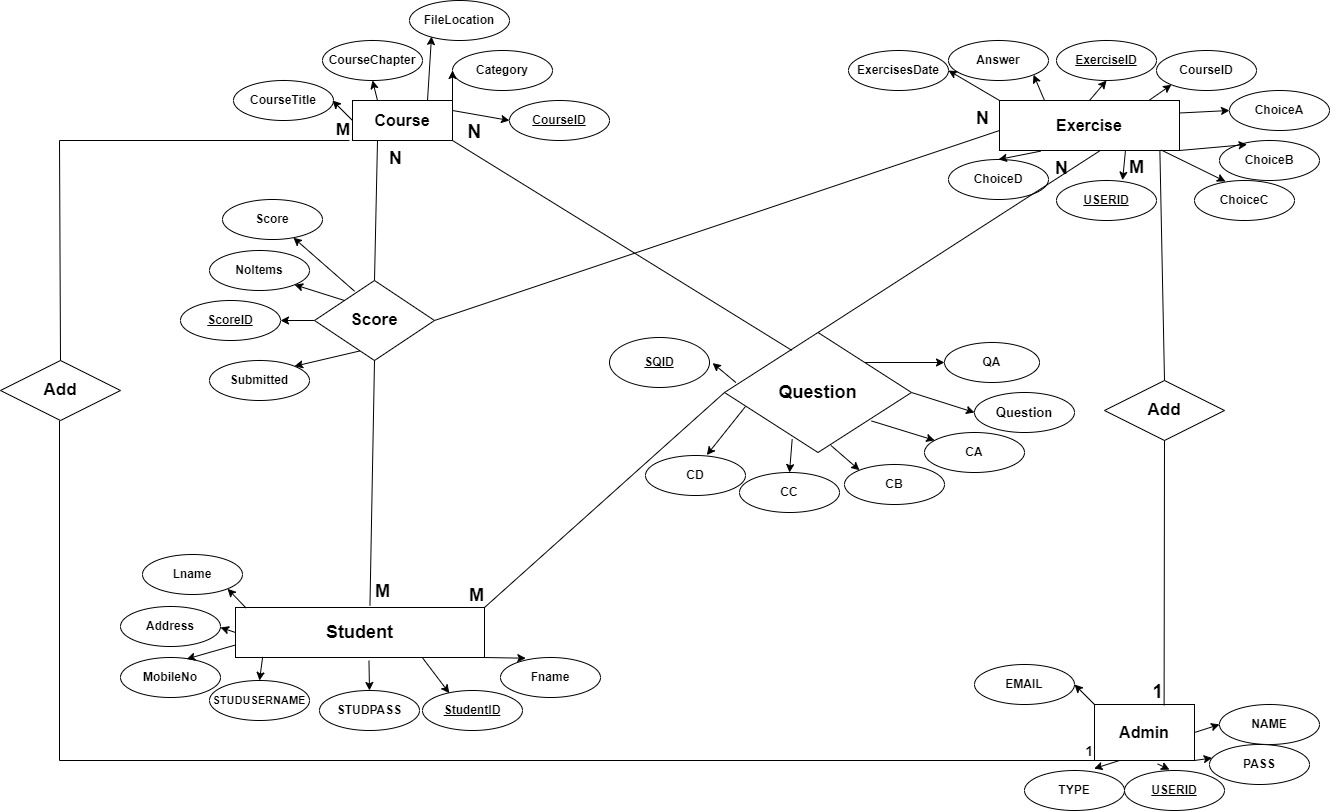


Figure 5: ERD

## Use-Case Diagram

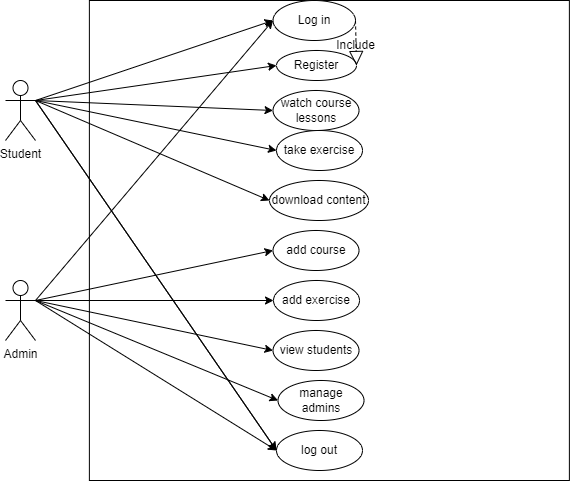


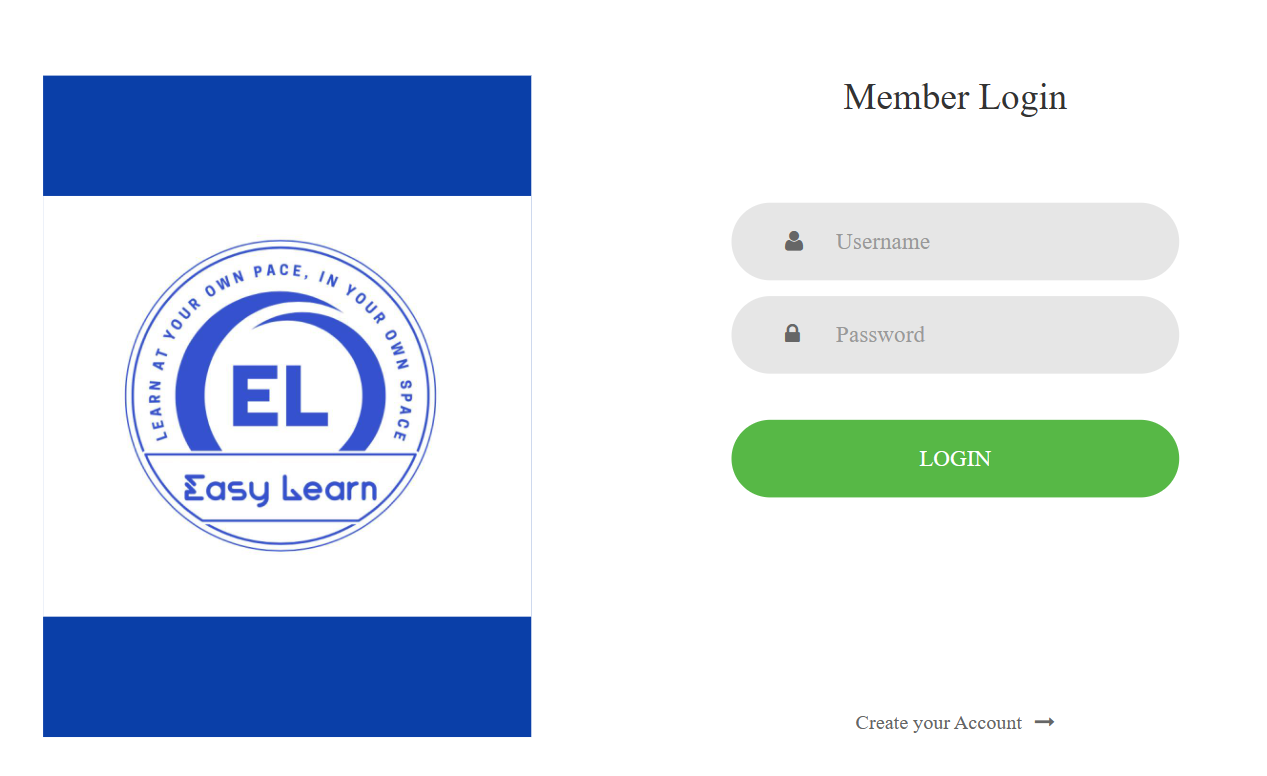
Figure 6: Use-Case Diagram

# Interfaces

## Student Interfaces

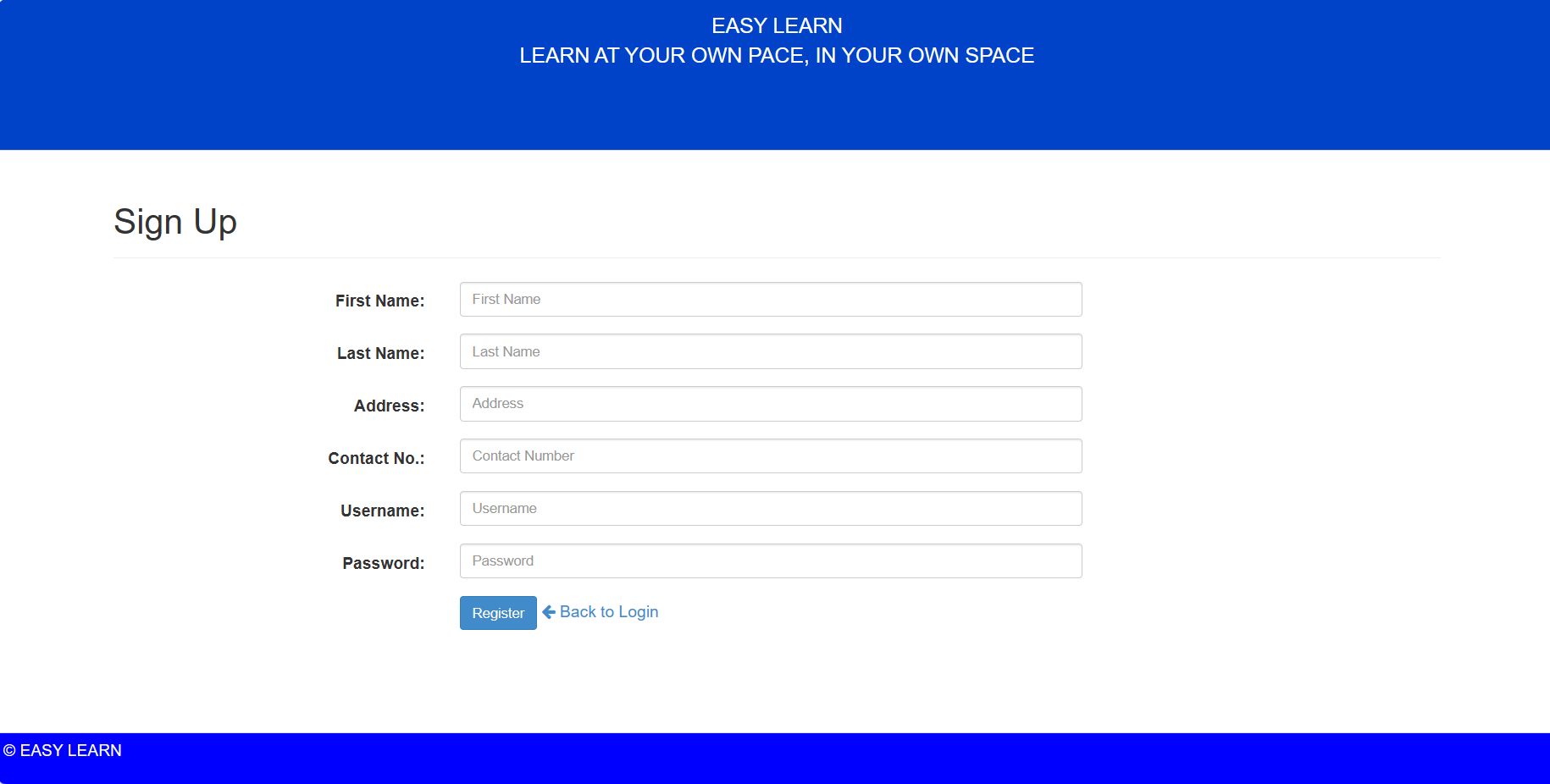
### Student Login

Students can login with their username and password if they already have an account.



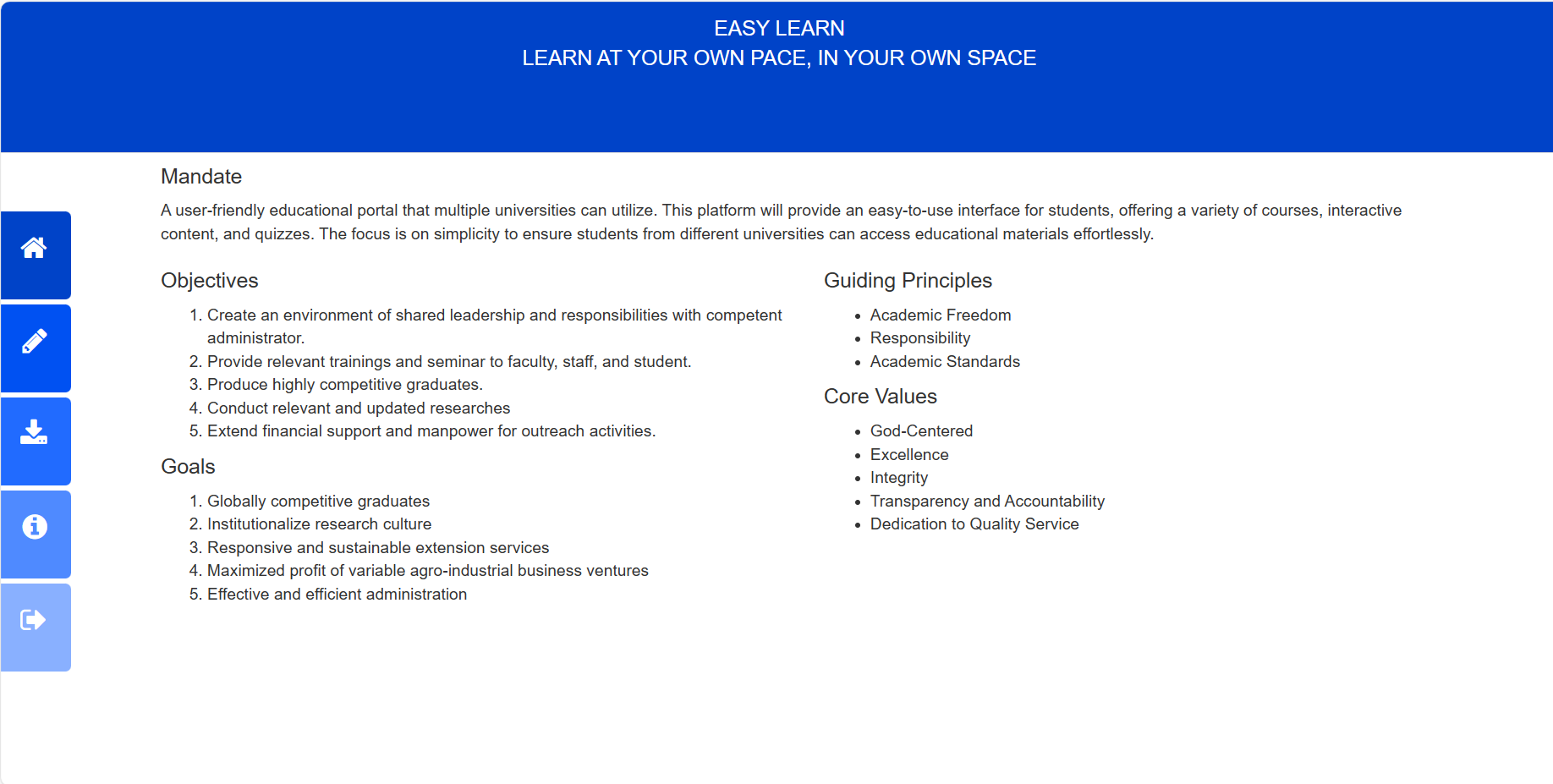
### Student Register

Students can create new accounts.



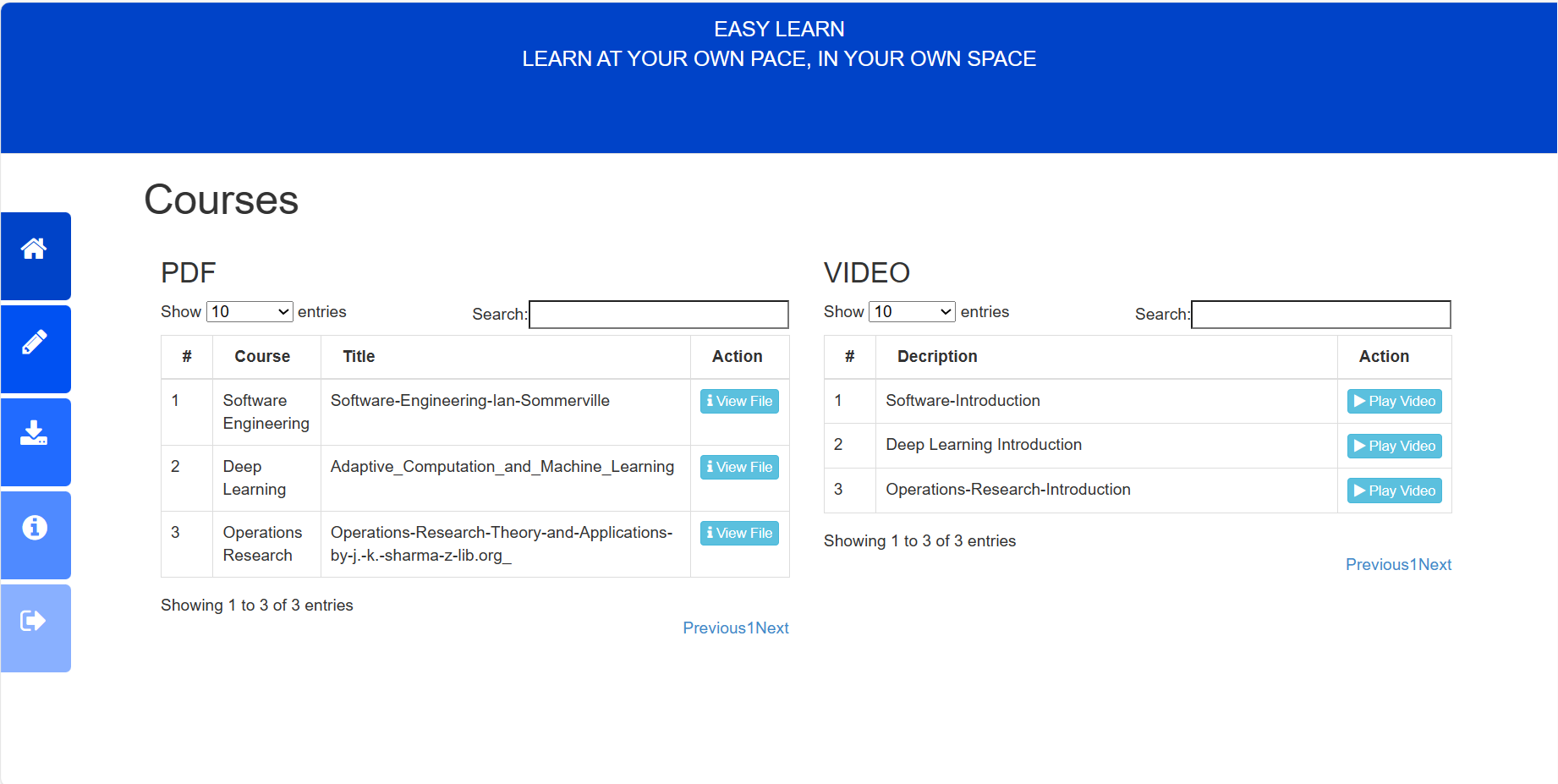
### Home panel

Our Home panel includes our websites objectives and goals, and from it students can access the courses and download content.



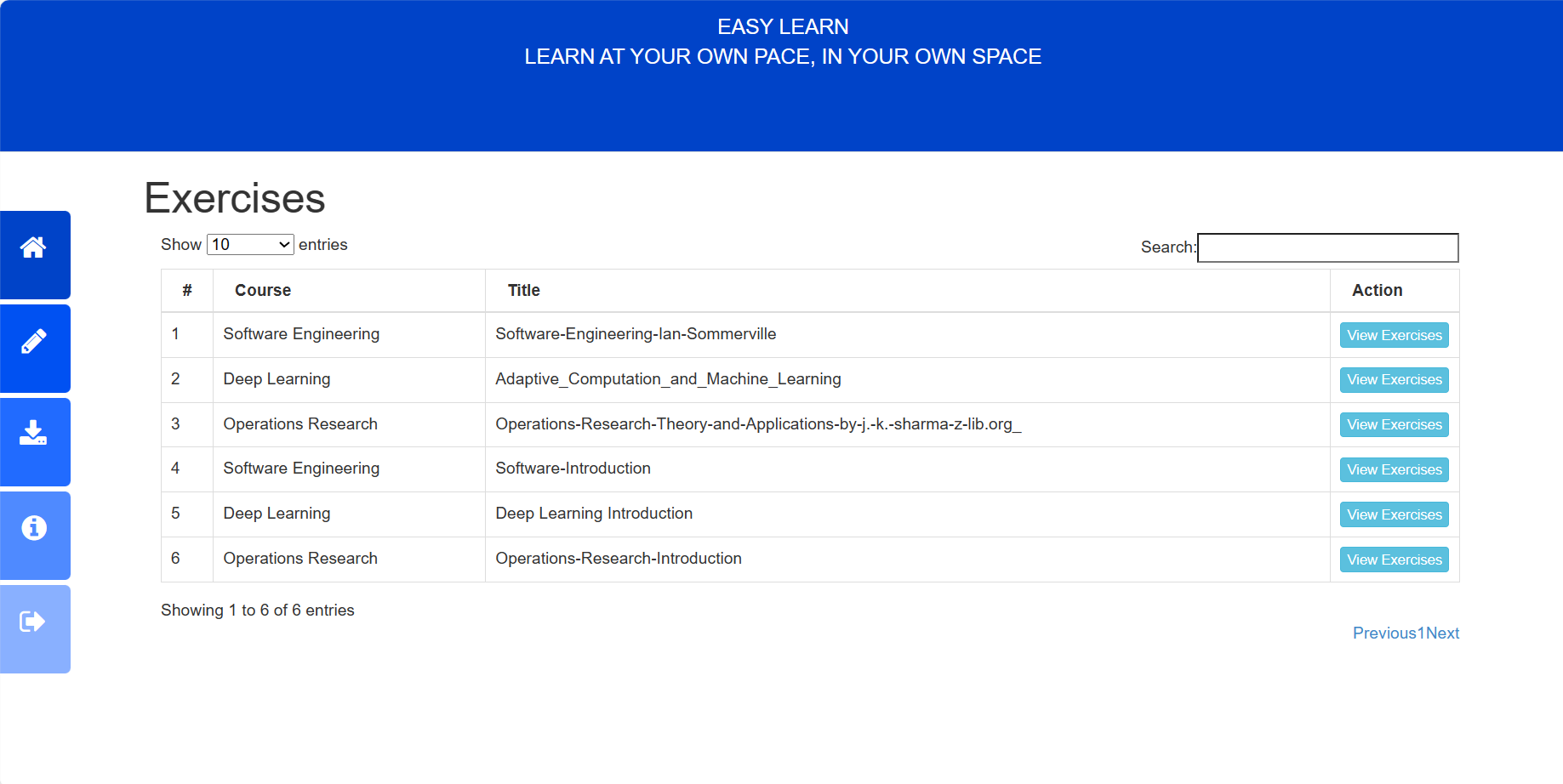
### Courses Panel

Students will be able to view and search courses.



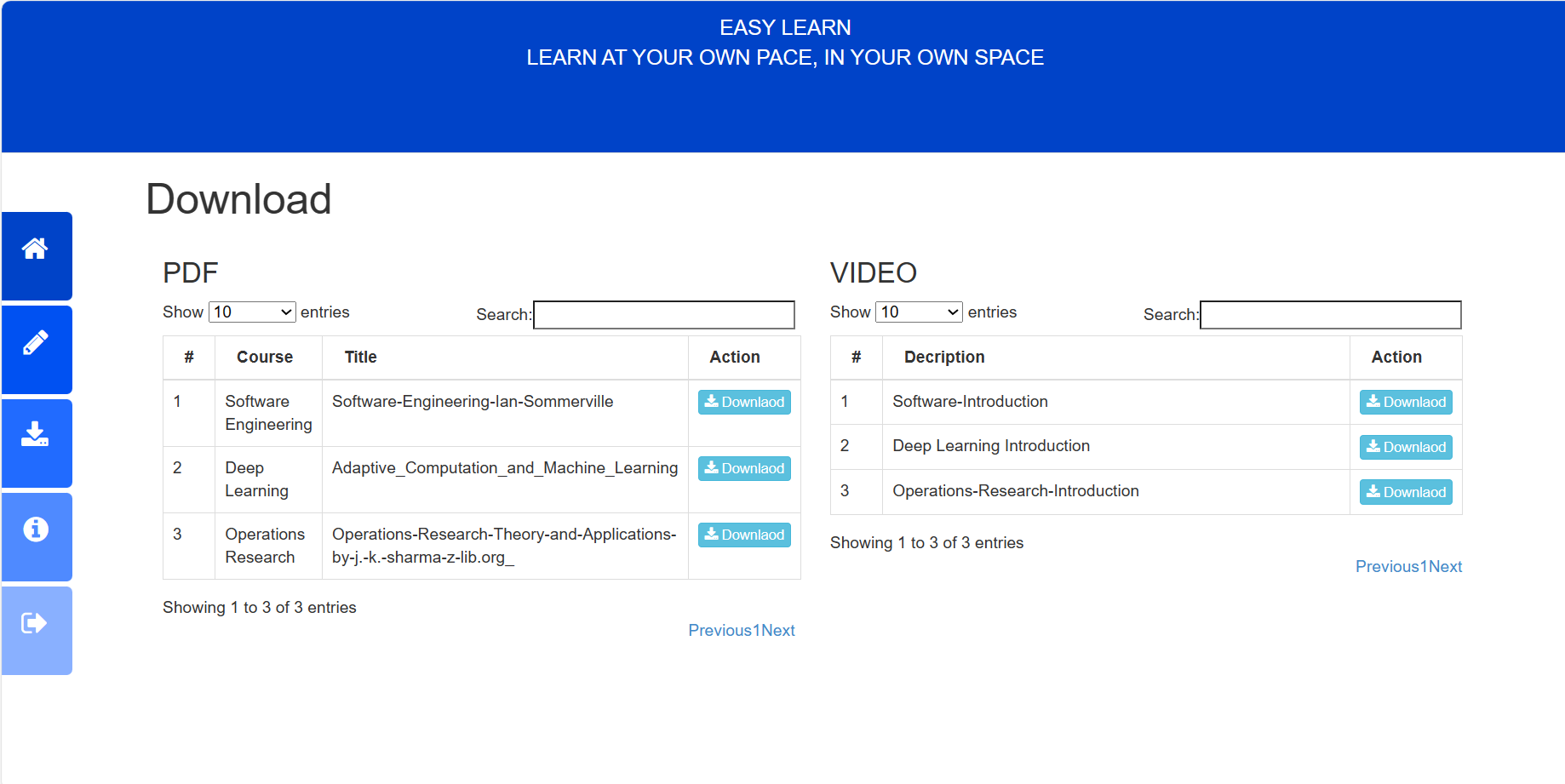
### Exercises

Students will do exercises and the system automatically will grade the student’s answers and gives feedback, also they will be able to view their grade.

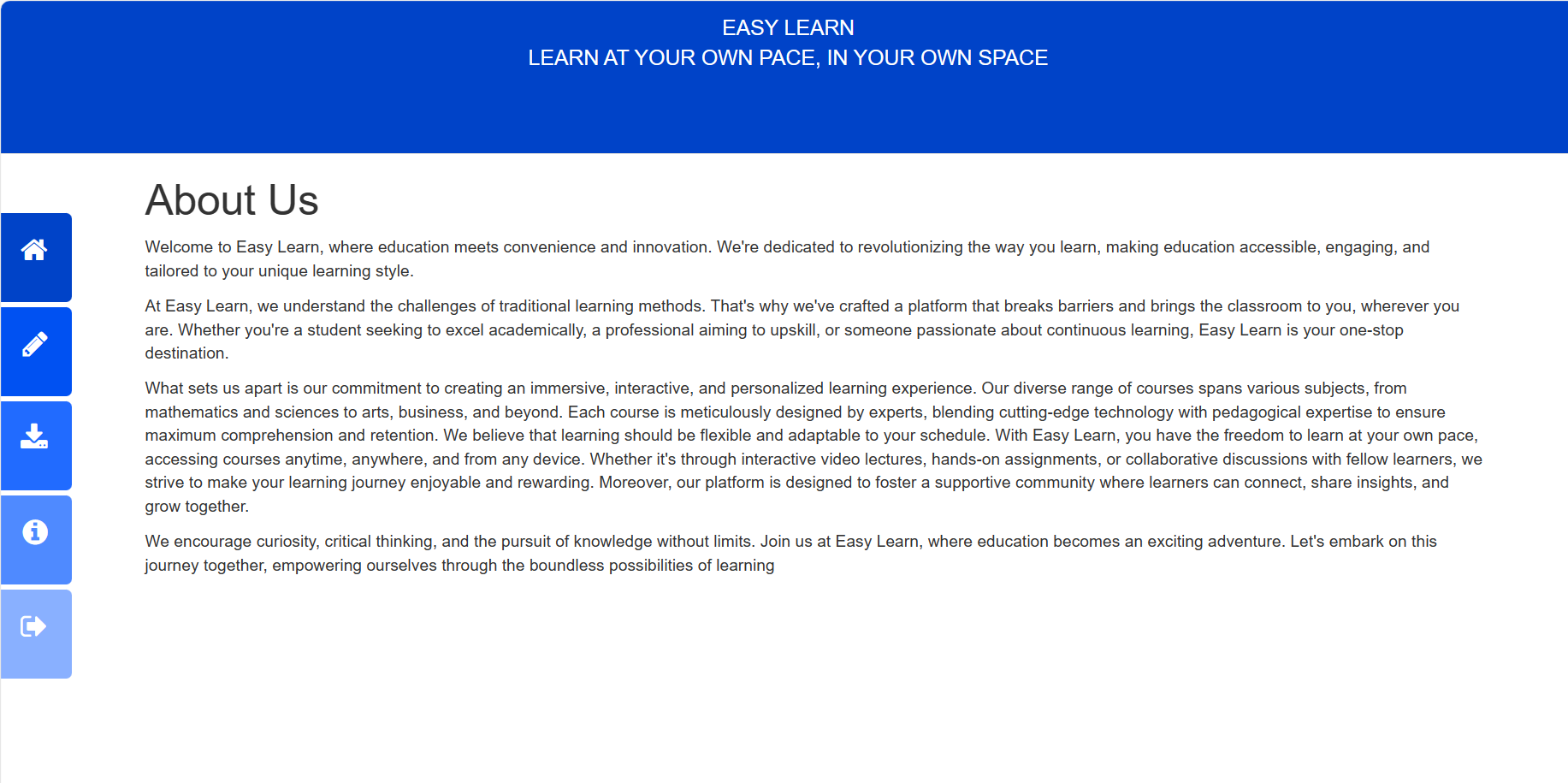


### Download

Students can download course content.



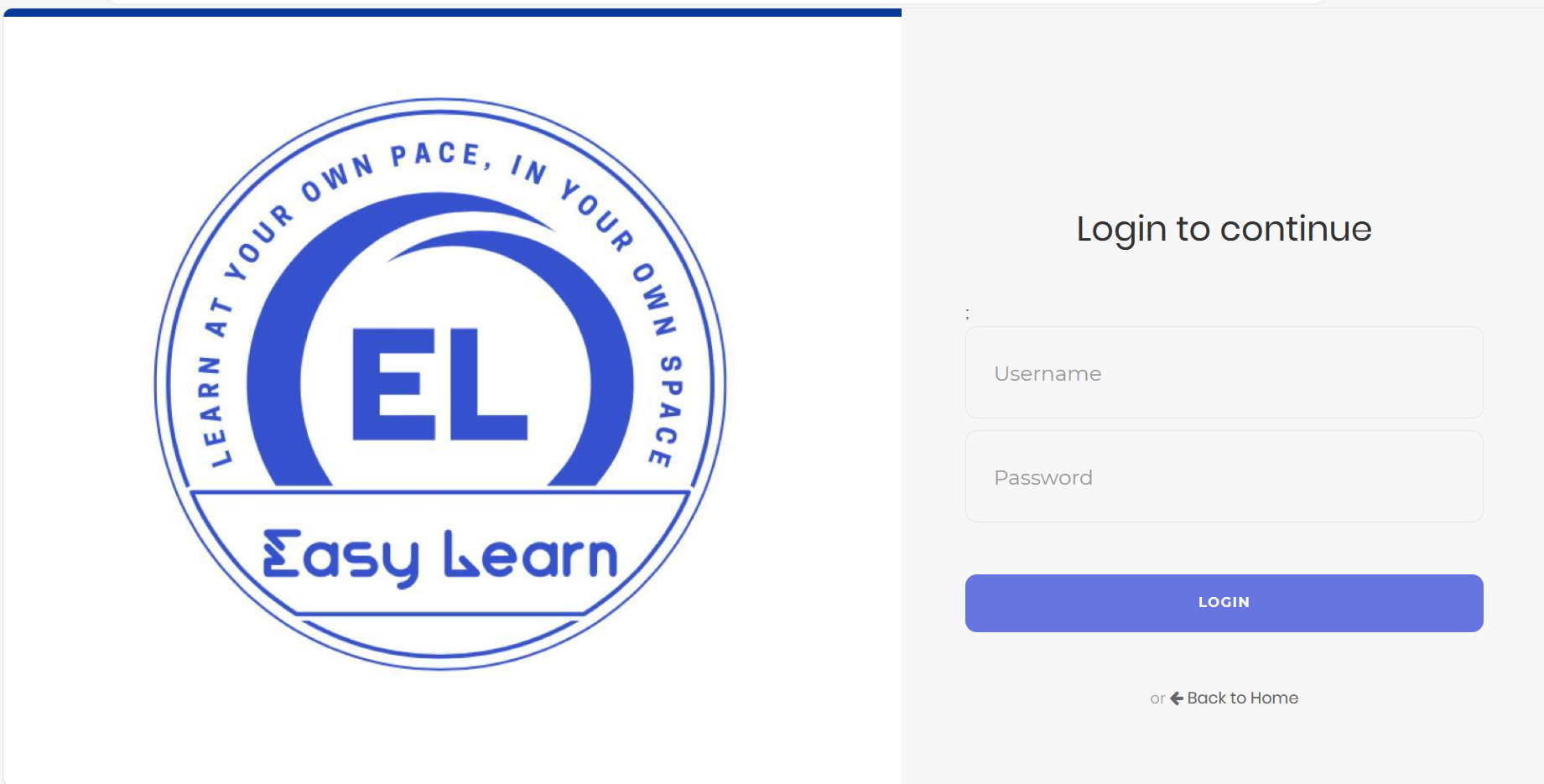
### About Us



## Admin Interfaces

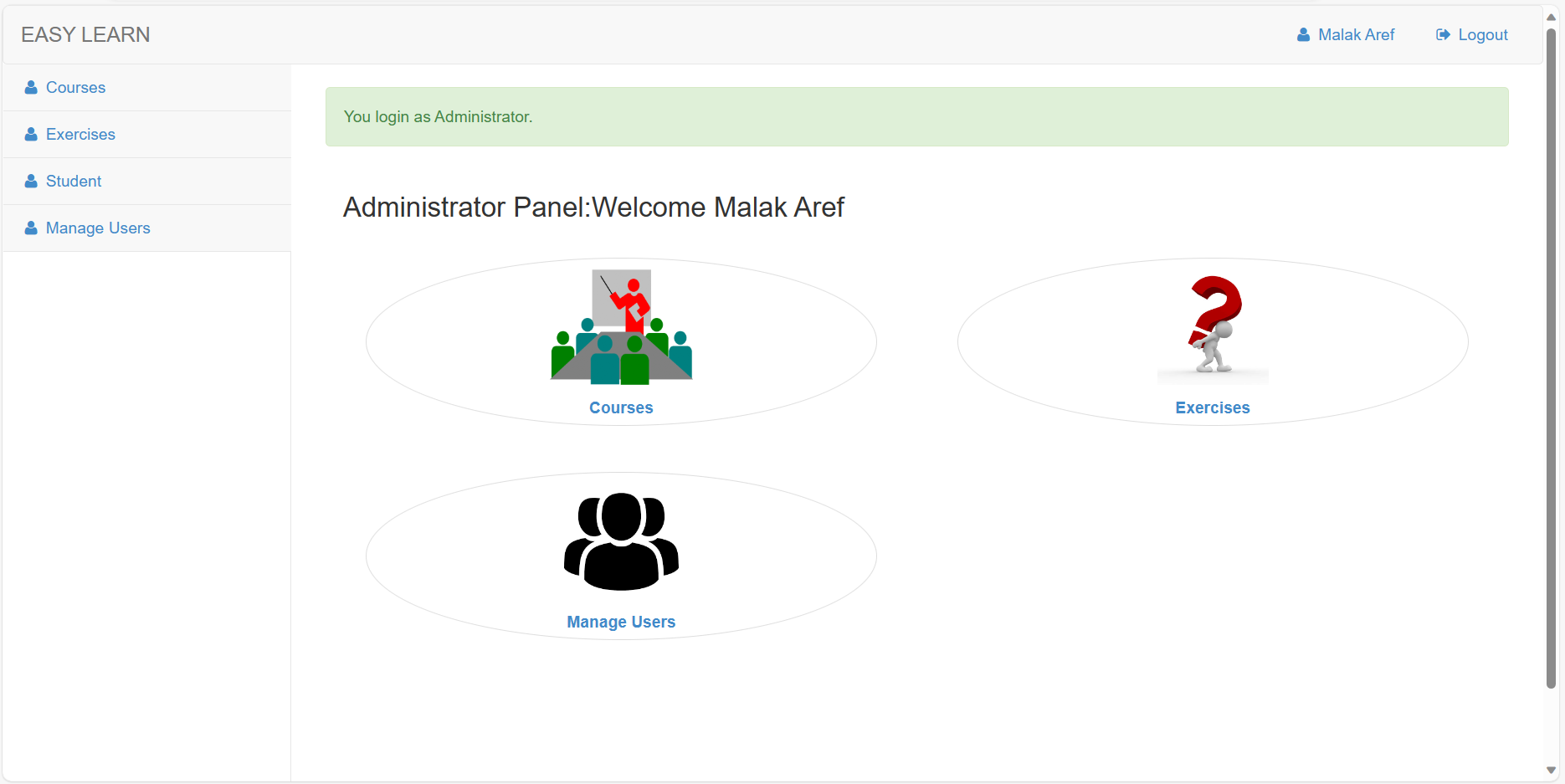
### Admin Login

To allow admins to access his/her account, and to verify the account



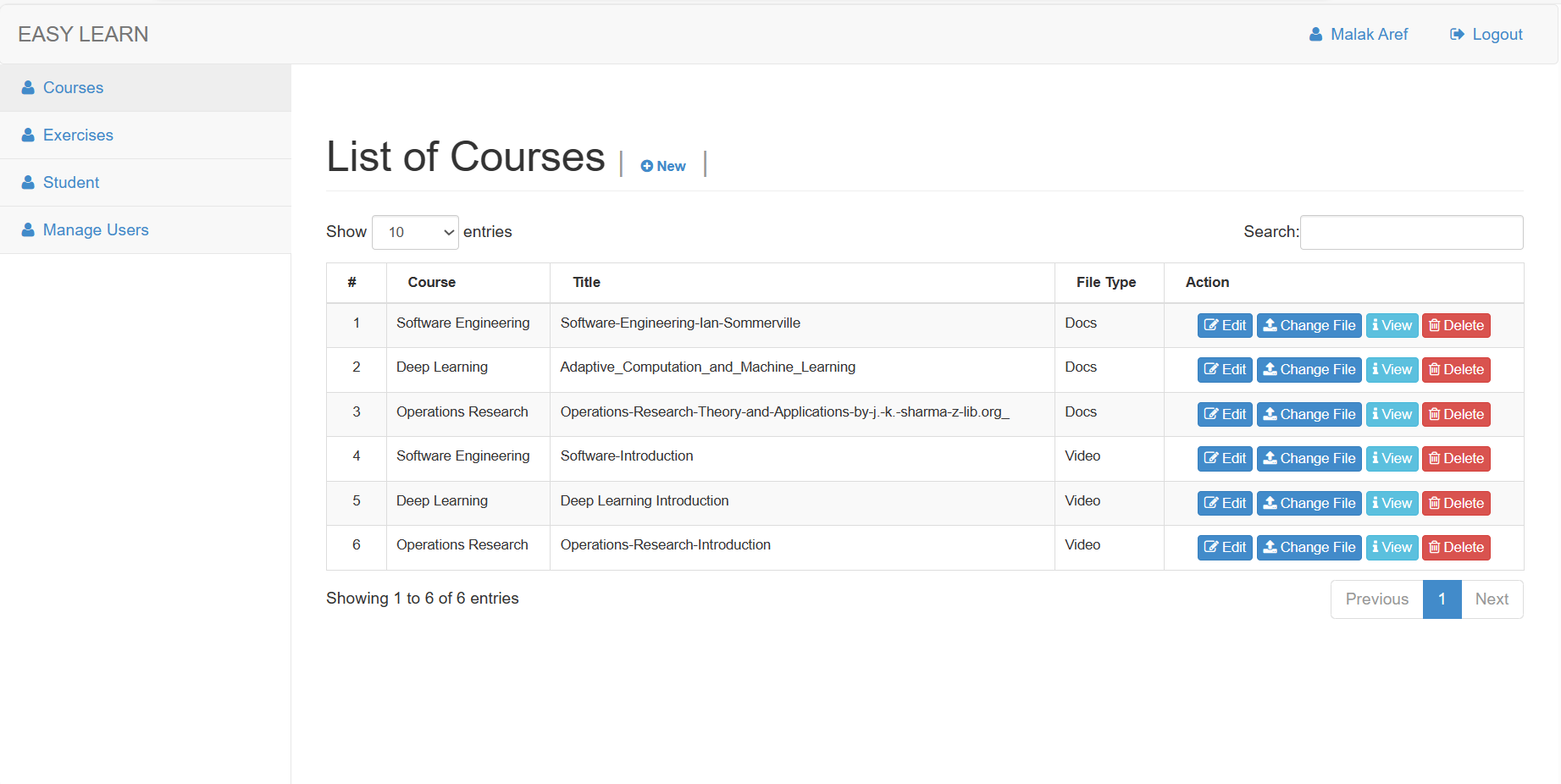
### Administrator panel

Display page of the actions that the admin can do



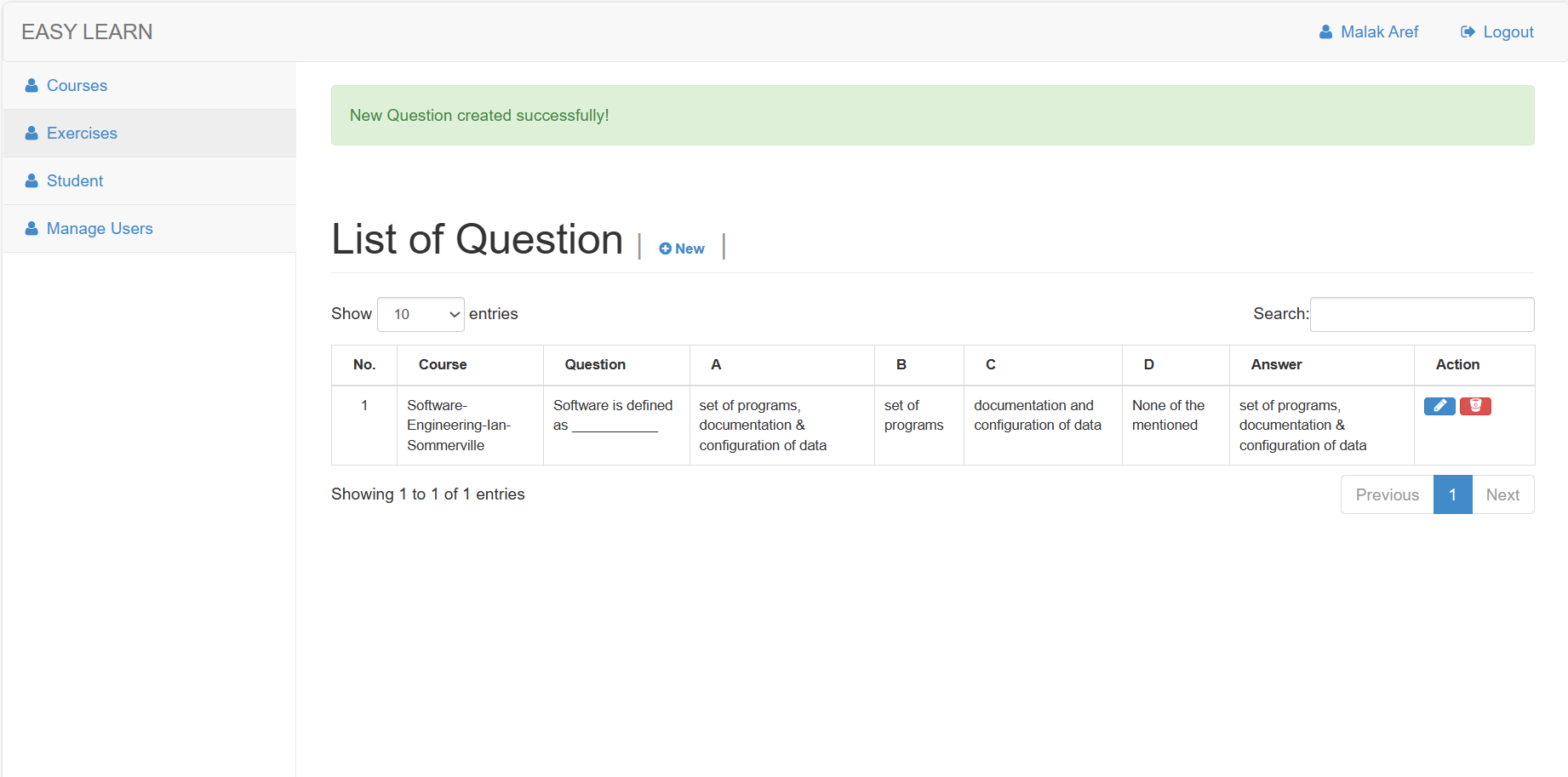
### Manage Courses

Admin here can create different type of courses. Also, he can manage, edit, delete, and change the course info.



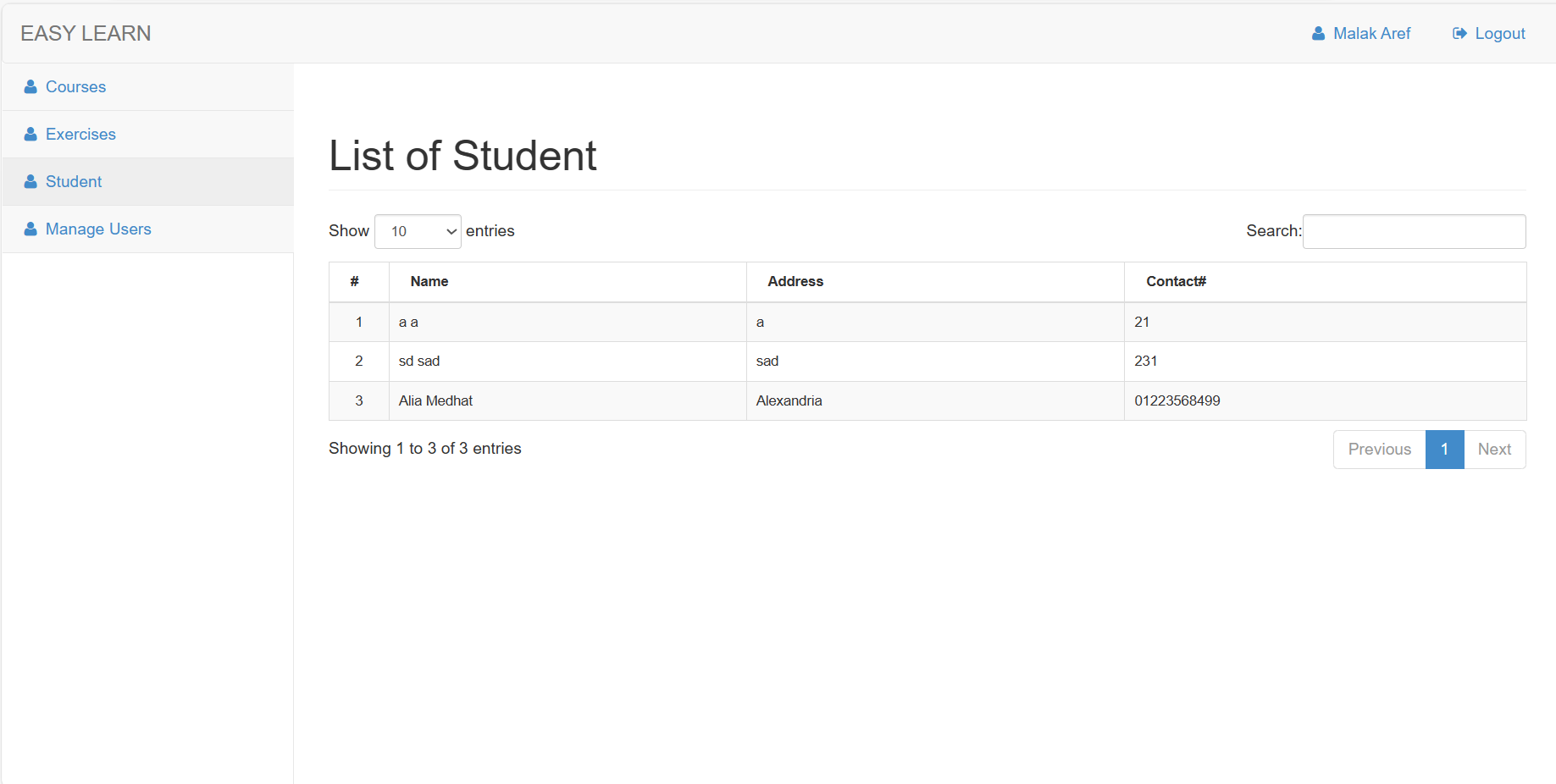
### Add Exercises

Admin can create and manage exercises for every course.



### Display and search for students

Display all the users that the system has.



### Manage and add admins

Admin can add other admin and manage their info.

