

USE CASE DOCUMENT

PROJECT:- BRAINBOX (E-LEARNING PLATFORM)

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TABLE OF CONTENTS

INTRODUCTION	3
EXPLANATION OF USE CASE CONTENTS	3
SAMPLE USE CASE.....	5

INTRODUCTION

E-learning fulfils the thirst of knowledge and offers online content that can be delivered for the learner at anywhere, anytime and any age through a wide range of e-learning solution while compared with traditional learning system. The system offers several features, including the ability to browse courses, enroll in courses, view course materials, add course material, manage courses, and manage users. The first step in the system is to browse courses. Students can search for courses based on various criteria, such as subject area, level, and instructor. This feature ensures that students can find the course that suits their needs and preferences.

Once students have found a suitable course, they can enroll in the course using the system. The system allows students to provide their personal information and gain access to the course material.

Students can view the course material, including lectures, readings, and other instructional materials, using the system. The system provides a centralized location for all course materials, making it easy for students to access and review the material at their convenience. Finally, administrators can manage courses and users using the system. This feature allows them to create and modify course content, view student and manage user accounts. In conclusion, the E-Learning platform provides a range of features that enable students to view their online courses and education in a convenient. The system supports course browsing, enrollment, material viewing, material adding, and user management, providing a seamless experience for both students and admin. The system is designed to be user-friendly ensuring that students can find the perfect course according to their needs and preferences.

EXPLANATION OF USE CASE CONTENTS

Use Case formats and contents may vary based on system requirements, organizational standards, or unique situations. However, a majority of Use Cases consist of some fundamental contents which may be applied across a wide range of system types. This section will provide explanations for each section of the Use Case.

Name of Use Case: Provide a short name for the use case which should lend itself to the objective of the system.

Description: This section should provide a description of both the reason for using the use case and the expected outcome of the use case.

Actors: Actors may be primary or secondary. Primary actors are the people who will be initiating the system described in the use case. Secondary actors are those will participate in the completion of the use case.

Precondition: This section should describe any conditions that must be true or activities that must be completed prior to executing the use case.

Postcondition: This section should describe the state of the system at the conclusion of the use case. Postconditions may include conditions for both successful and unsuccessful execution of the use case.

Flow: This section should describe all actions of the user and the expected system responses for planned normal execution of the use case. The description should be sequential and provide adequate detail to understand all user actions and system responses.

Alternative Flows: Many use cases have varying or special extensions or conditions which are separate from the main flow but also necessary. Alternative flows are usually the result of options or exceptions built into the use case which may alter the primary flow.

USE CASE.1

Name of Use Case:	Login		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The use case begins when the actor indicates the intent to login to the system. It ends when the actor is log in or cancels login.		
Actors:	Administrator/User		
Preconditions:	Login Exists		
Postconditions:	The actor logs in successfully.		
Flow:	Administrator selects the "Login Option" add gives the credentials.		
Alternative Flows:	None		

USE CASE.2

Name of Use Case:	Add Course Details		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The administrator adds course details into the system		
Actors:	Administrator		
Preconditions:	Administrator is logged into the system.		
Postconditions:	Course details are successfully added to the system		
Flow:	<ol style="list-style-type: none">1. Administrator selects the "Add Course Details" option.2. Administrator provides the necessary course details such as course name, category and quiz.3. The system validates the input data.4. The system adds the course details to the database.		
Alternative Flows:	None		

USE CASE.3

Name of Use Case:	Update Course Details		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The administrator updates course details into the system		
Actors:	Administrator		
Preconditions:	Administrator is logged into the system.		
Postconditions:	Course details are successfully updated to the system		
Flow:	<ol style="list-style-type: none">1. Administrator selects the "Update course Details" option.2. Administrator updates the necessary course details such as course name, category and quiz.3. The system validates the input data.4. The system updates the course details to the database.		
Alternative Flows:	None		

USE CASE.4

Name of Use Case:	View Course Details		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The administrator views course details from the system		
Actors:	Administrator, User		
Preconditions:	Administrator and users are logged into the system.		
Postconditions:	Course details are successfully displayed in the system		
Flow:	Actors selects the "View Course Details" option.		
Alternative Flows:	None		

USE CASE.5

Name of Use Case:	Delete Course Details		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The administrator deletes course details from the system		
Actors:	Administrator		
Preconditions:	Administrator is logged into the system.		
Postconditions:	Category details are successfully deleted from the system		
Flow:	1. Administrator selects the "Delete Course Details" option. 2. The system deletes the course details from the database.		
Alternative Flows:	None		

USE CASE.6

Name of Use Case:	Registration		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The use case begins when the actor indicates the intent to register to the system. It ends when the actor is a register or cancels registration.		
Actors:	User		
Preconditions:	Login exists		
Postconditions:	User registers successfully.		
Flow:	Users select “Registration” option and gives the credentials.		
Alternative Flows:	None		

USE CASE.7

Name of Use Case:	Search Course Details		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The user search course details from the course category.		
Actors:	User		
Preconditions:	Users are logged into the system.		
Postconditions:	Course details are displayed.		
Flow:	1. User selects the “Browse Course” option. 2. User view all the selected courses available from the course category.		
Alternative Flows:	None		

USE CASE.8

Name of Use Case:	Enroll Course		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The user can enroll to a course		
Actors:	User		
Preconditions:	Users are logged into the system.		
Postconditions:	User is successfully enrolled to the course.		
Flow:	1. User can search for different courses. 3. User will select the "Enroll" option from the selected course. 4. The user can go through the course details. 5. The system adds the enrolled course details to the database.		

Alternative Flows:	If the User encounters an issue with the search functionality or login, appropriate message will be given.
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USE CASE.9

Name of Use Case:	Unroll Course		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The user unrolls the already enrolled course.		
Actors:	User		
Preconditions:	User is logged into the system.		
Postconditions:	Courses are unrolled from the list of course that is already enrolled.		
Flow:	1. User selects the "Unroll" option for the list of course. 2. The system modifies the list of course in the database.		
Alternative Flows:	None		

USE CASE.10

Name of Use Case:	Add Rating		
Created By:		Last Updated By:	
Date Created:	24/06/2023	Last Revision Date:	24/06/2023
Description:	The user can rate the course.		
Actors:	User		
Preconditions:	User will be logged into the system.		
Postconditions:	Enrolled course must be already completed.		
Flow:	1. User can select the "Rate the Course" option from the "list of courses" option. 2. The system validates the input data. 3. The system adds the rating details to the database.		
Alternative Flows:	None		