



Software Engineering

Project Name: EduSync

21i-0572 Kissa Zahra

21i-0603 Hamna Sadia Rizwan

21i-0710 Muhammad Arham Akmal

Module: Refinement

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Project Introduction

Learning management systems today are very convenient and accessible but unfortunately they do not have the functionality of effective course administration which includes proper student involvement. In fact our very own university, NUCES does not have its own lms (learning management system) that would cater needs specifically for its students rather it relies on lms such as google classroom. These systems often suffer from the lack of required evolving needs of educators and students in today's digital learning environment.

That is why in this project we have taken the initiative to try and overcome these limitations of current university lms in an lms called EduSync. With EduSync we hope to achieve a reliable and user-friendly system that enhances communication and course management. Our project aims to make course materials available for students and to also include features such as course planning for instructors for an efficient and enriching learning experience.

User stories

CONTENT UPLOAD:

Story id: 1

Story title: Content Upload

As a: Instructor

I want: to upload content (quizzes, assignments, lecture notes and announcements) for courses

So that: students will be able to view the content uploaded

Acceptance Criteria:

And I know I am done when: the content is successfully uploaded and can be opened/viewed.

Sub-story: Lecture Notes Upload

Story id: 1.1

Story title: Lecture Notes Upload

As an: Instructor

I want: to upload lecture notes of courses for specific sections

So that: students can view the lecture notes

Acceptance Criteria:

And I know I am done when: I get a confirmation of successful upload (of lecture notes).

Sub-story: Assignment Upload

Story id: 1.2

Story title: Assignment Upload

As an: Instructor

I want: to upload assignments of courses for specific sections with their due date

So that: students can view the assignment and its deadline

Acceptance Criteria:

And I know I am done when: I get a confirmation of successful upload (of assignment with specified details).

Sub-story: Quiz Upload

Story id: 1.3

Story title: Quiz Upload

As an: Instructor

I want: to upload quizzes of each student for their registered courses

So that: students can view their quizzes

Acceptance Criteria:

And I know I am done when: I get a confirmation of successful upload (of quizzes for each student).

Sub-story: Announcement Upload

Story id: 1.4

Story title: Announcement Upload

As an: Instructor

I want: to upload announcements of courses for specific sections

So that: students can view the announcements

Acceptance Criteria:

And I know I am done when: I get a confirmation of successful upload of the announcements of each course.

CONTENT VIEW:

Story id: 2

Story title: content view

As an: Student

I want: to view my course contents (lecture notes, notification, assignments)

So that: I can access the necessary course materials.

Acceptance Criteria:

And I know I am done when: a path for the document is shown in the dialog box

Sub-story: Lecture Notes View**Story id:** 2.1**Story title:** Lecture notes view

As an: Student

I want: to view my lectures

So that: I can access the necessary lecture notes.

Acceptance Criteria:

And I know I am done when: a path for the pdf of lecture notes is shown for a specific subject.

Sub-story: Notification View**Story id:** 2.2**Story title:** Notification view

As an: Student

I want: to view notification for every subject

So that: I can stay up to dated for my course

Acceptance Criteria:

And I know I am done when: I can view the notification made by the teacher for a specific subject.

Sub-story: Assignment View**Story id:** 2.3**Story title:** assignment view

As an: Student

I want: to view my assignment and its deadline

So that: I can access the necessary course exercise and practice material

Acceptance Criteria:

And I know I am done when: a path for the pdf of assignment and its deadline is shown for a specific subject.

ENROLLMENT:**Story id:** 3**Story title:** Enrollment

As an: Administrator

I want: to enroll new students and instructors

So that: students are enrolled in their specific courses and instructors are enrolled according to the courses they will teach.

Acceptance Criteria:

And I know I am done when: I get confirmation of successfully enrolling students and instructors.

Sub-story: Enrollment for Students**Story id:** 3.1**Story title:** Student Enrollment

As a: Administrator

I want: to enroll students

So that: they can access the course content

Acceptance Criteria:

And I know I am done when: I get confirmation of successfully enrolling students.

Sub-story: Enrollment for Instructor

Story id: 3.2

Story title: Instructor Enrollment

As an: Administrator

I want: to assign instructors to the courses that they will teach

So that: each's course has its respective instructor

Acceptance Criteria:

And I know I am done when: I get confirmation of successfully enrolling as an Instructor.

ADMIN PROFILE:

Story id: 4

Story title: Admin Profile

As an: Administrator

I want: edit my profile

So that: i can update my password and name

Acceptance Criteria:

And I know I am done when: I get confirmation of successfully updating my profile and upon logging in, I see my updated name displayed

Student Notes:

Story id: 5

Story title: Student Notes

As a: Student

I want: to create or open my notes file

So that: I can write and edit my notes

Acceptance Criteria: I get confirmation of successfully newly created files and when I can open and edit the notes doc file.

Assignment Bookmarks:

Story id: 6

Story title: Assignment bookmarks

As a: student

I want: to bookmark my favorite assignments

So that: I am able to see the bookmarked assignments in one area

Acceptance Criteria: I get confirmation that my bookmarks have been done successfully and able to view them.

Create New Courses:

Story id: 7

Story title: create new courses

As a: administrator

I want: create new courses

So that: our LMS offers a wide range of courses

Acceptance Criteria: I get confirmation of successfully creating a new course.

Sub-story: Assign Instructor

Story id: 7.1

Story title: assign instructor

As a: administrator

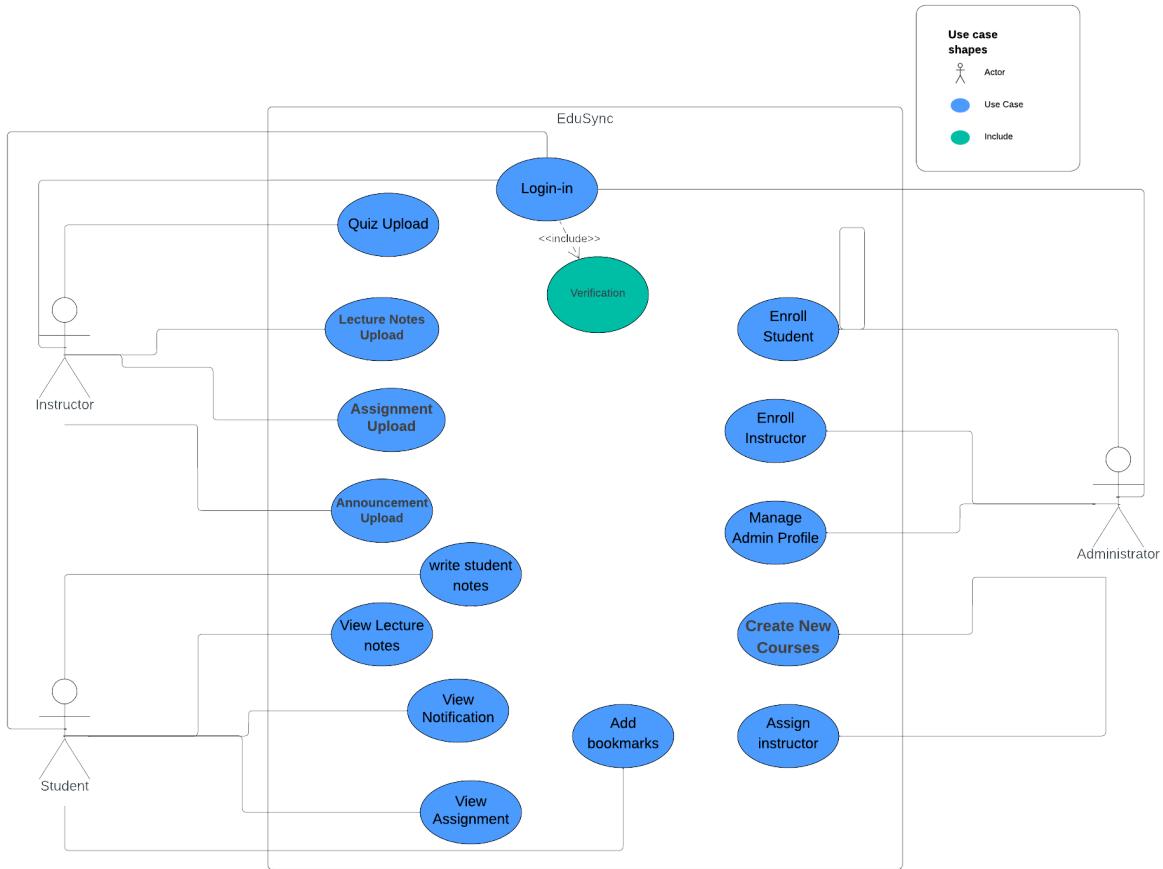
I want: assign instructor to new courses

So that: every course have a instructor to teach

Acceptance Criteria: I get confirmation of successfully assigning an instructor to a new course.

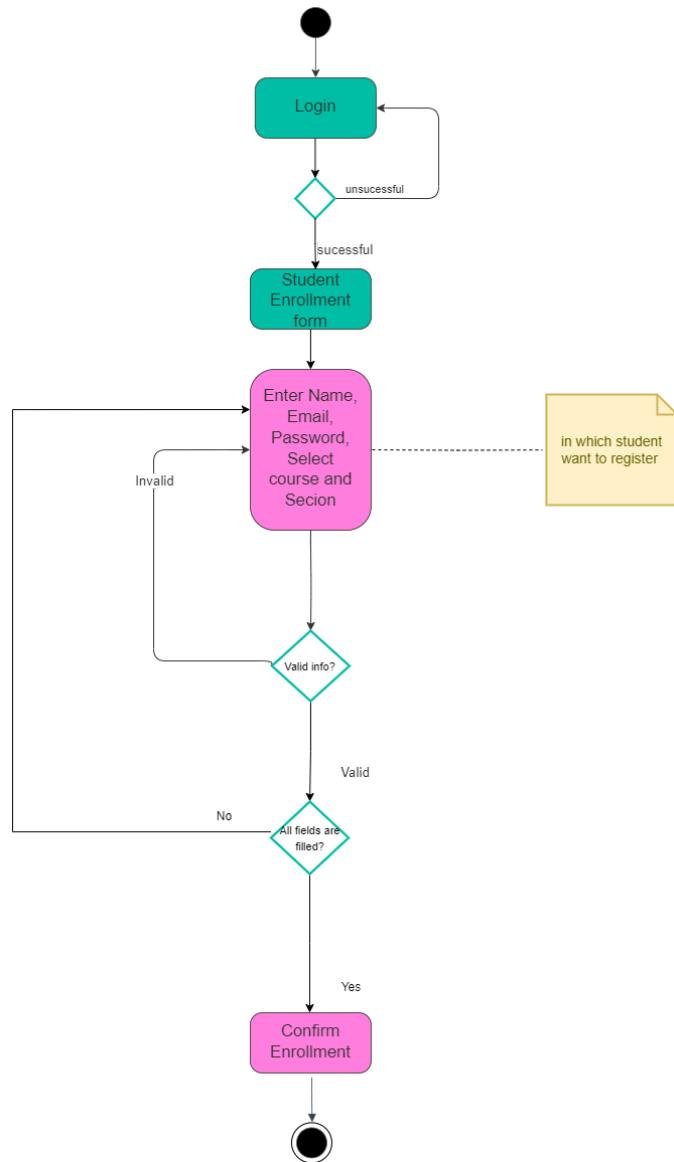
Design

Use case diagram

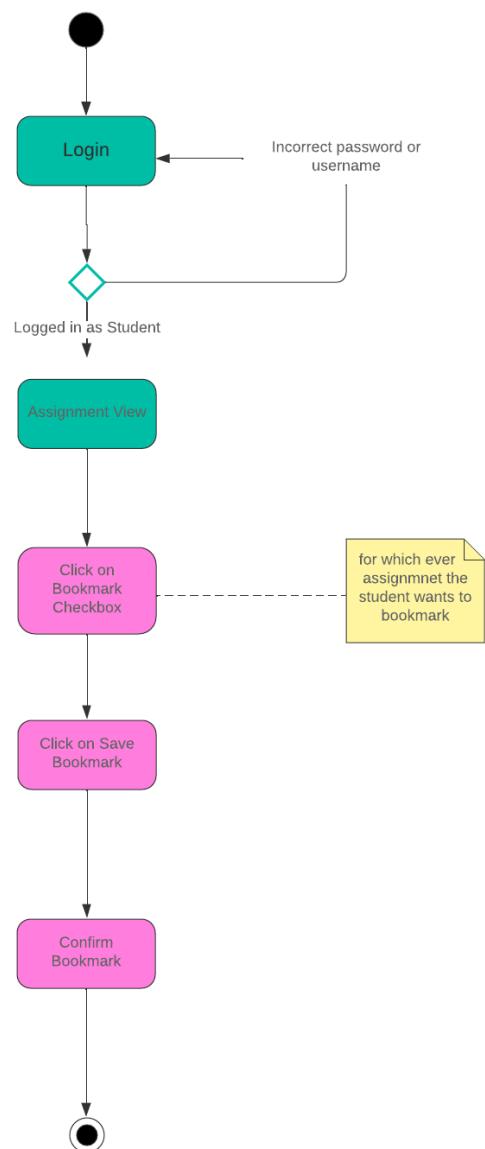


Activity diagram

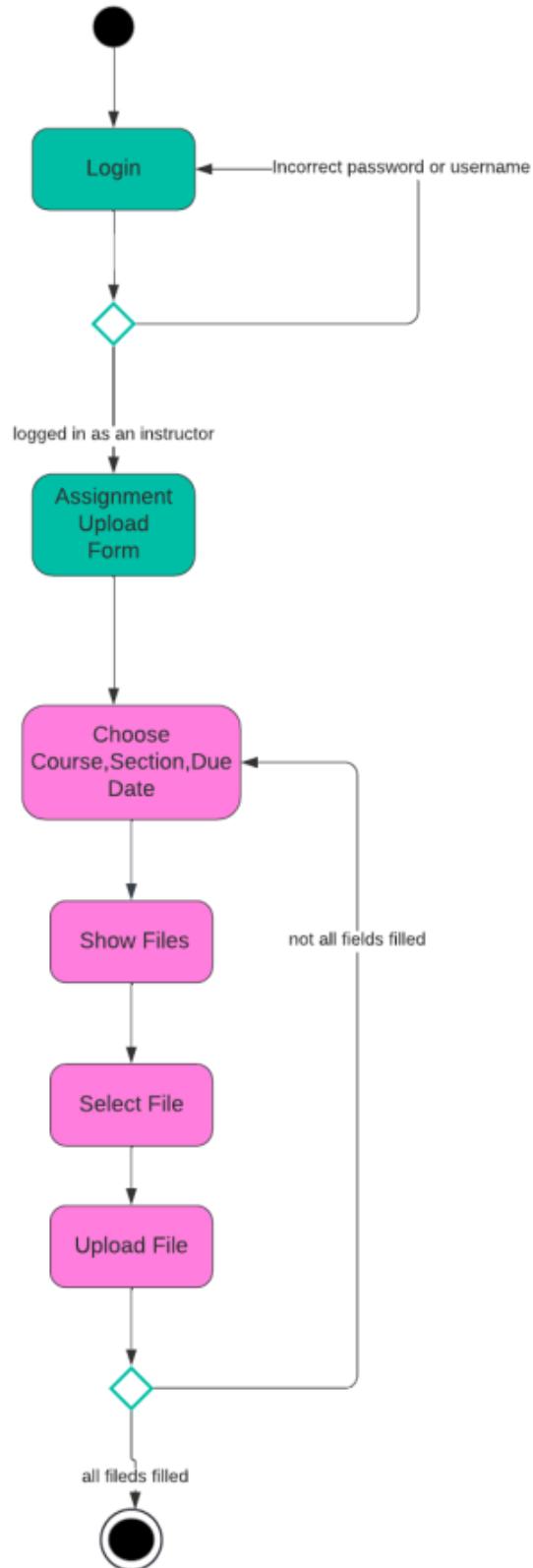
Student Enrollment



Assignment Bookmark

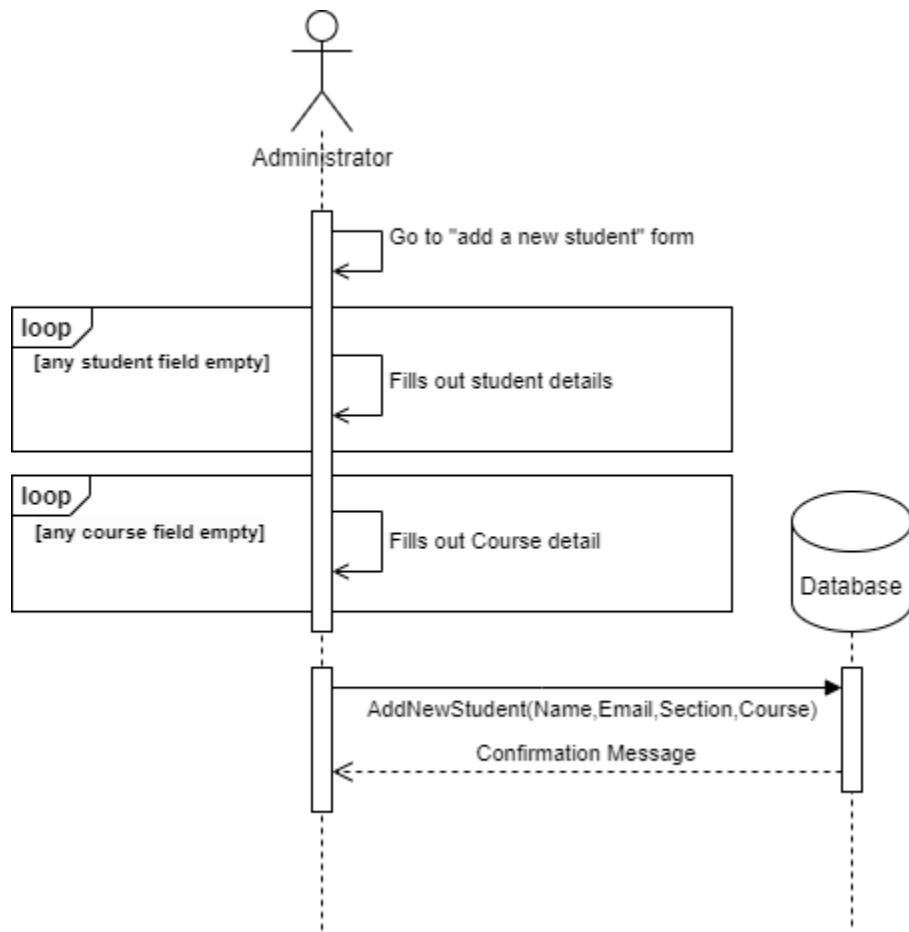


Assignment Upload

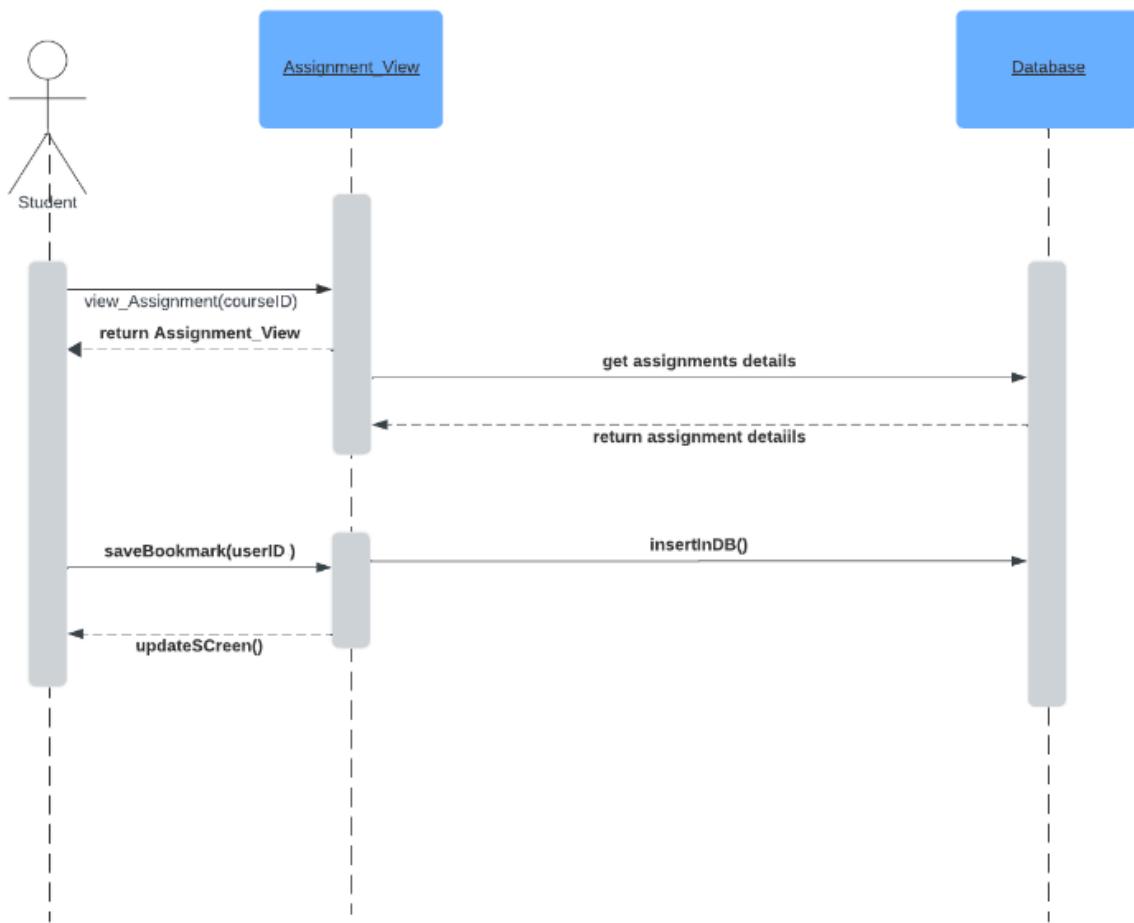


Sequence diagrams

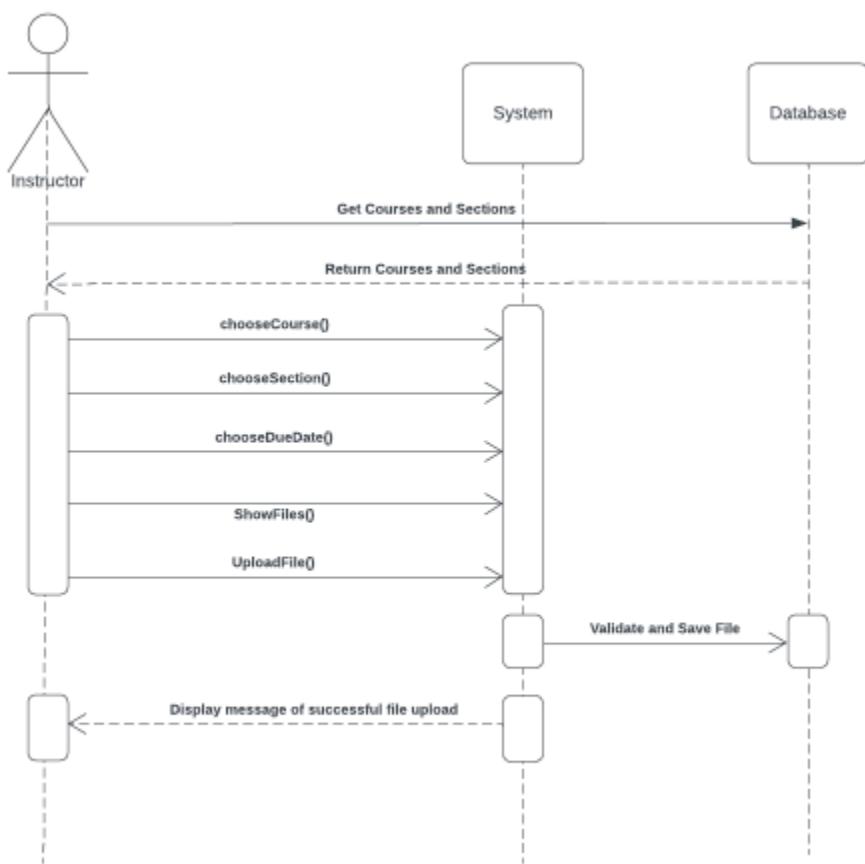
Student Enrollment



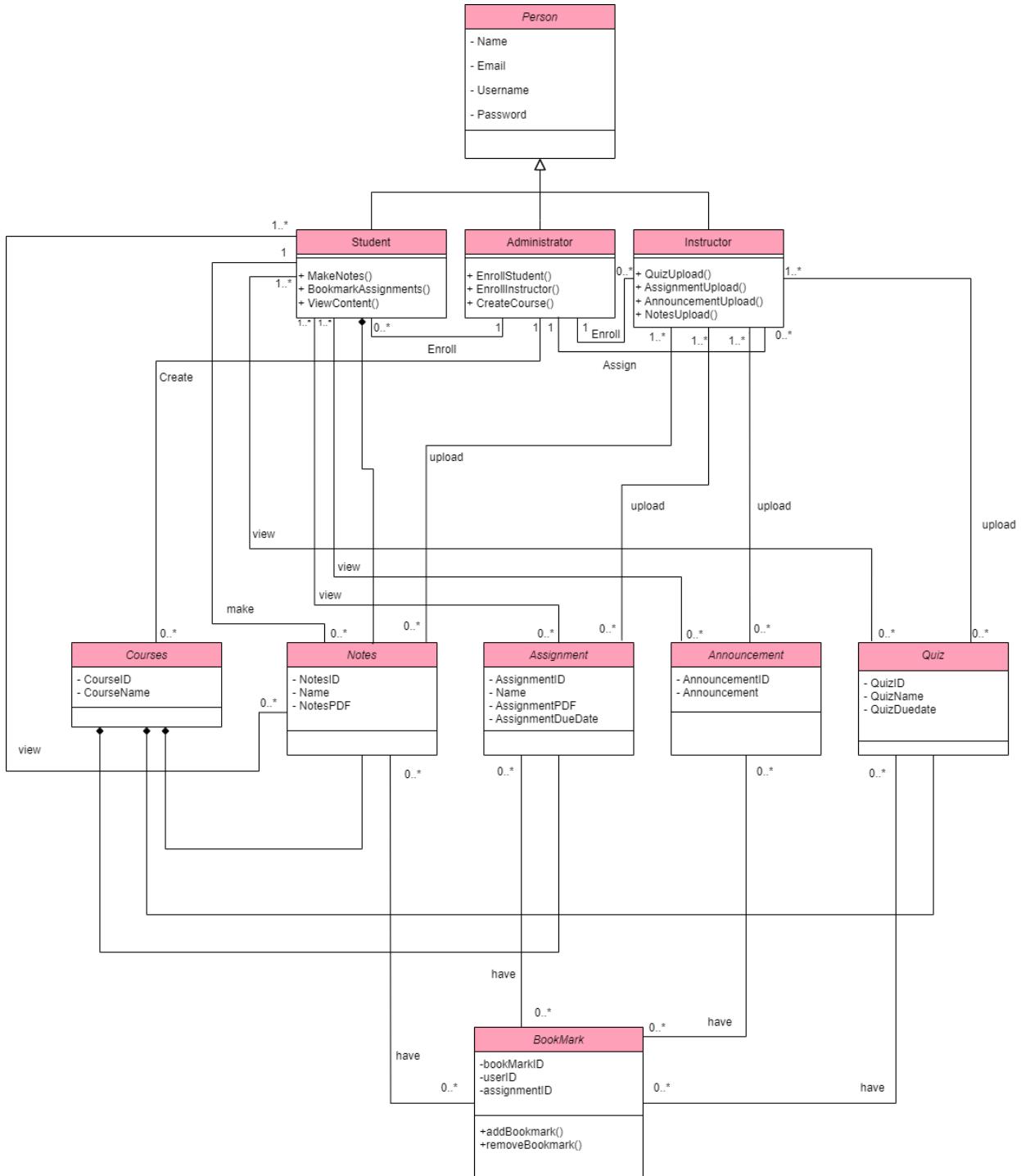
Assignment Bookmark



Assignment Upload



Class diagram



Architecture Pattern and architecture diagram

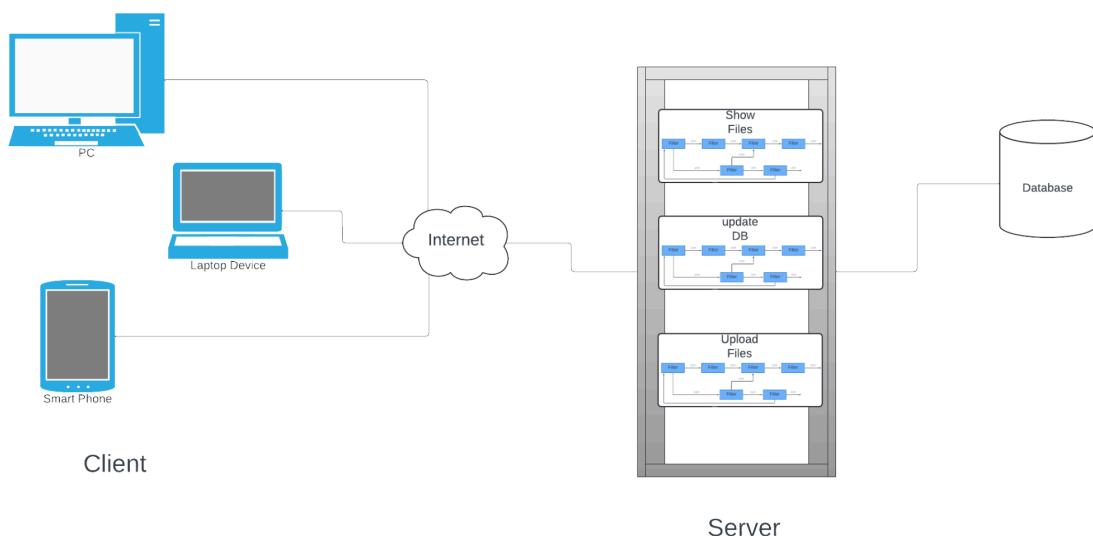
Client and Server:

Our project edusync is based on a client and server architecture model providing many facilities for efficient learning management system. In this model our student is the client and instructor is our server. The client i.e. requires services such as view content (which includes assignments, quizzes and lectures), the client requests this and the server, the instructor provides by uploading the requested content on the lms, EduSync.

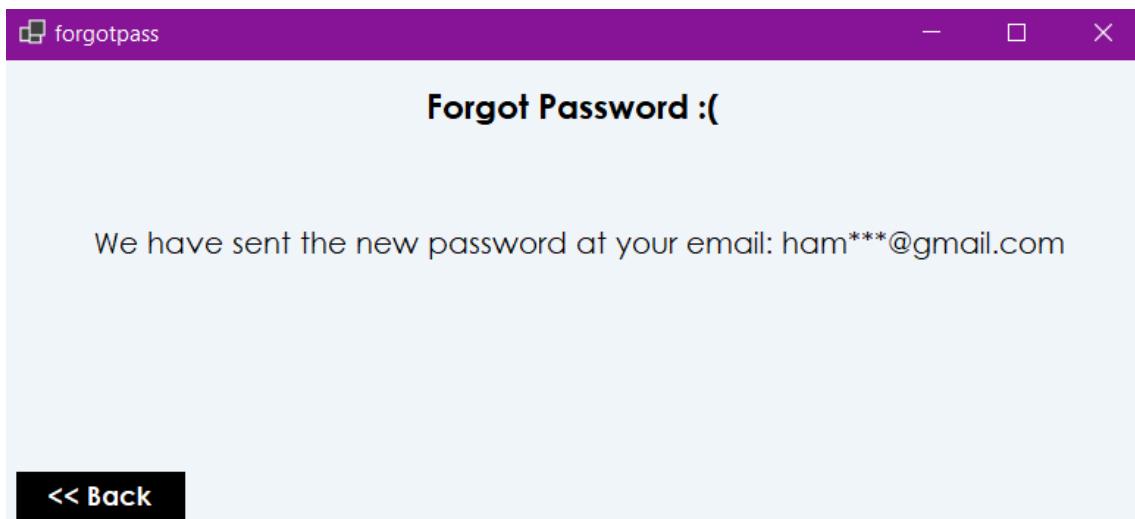
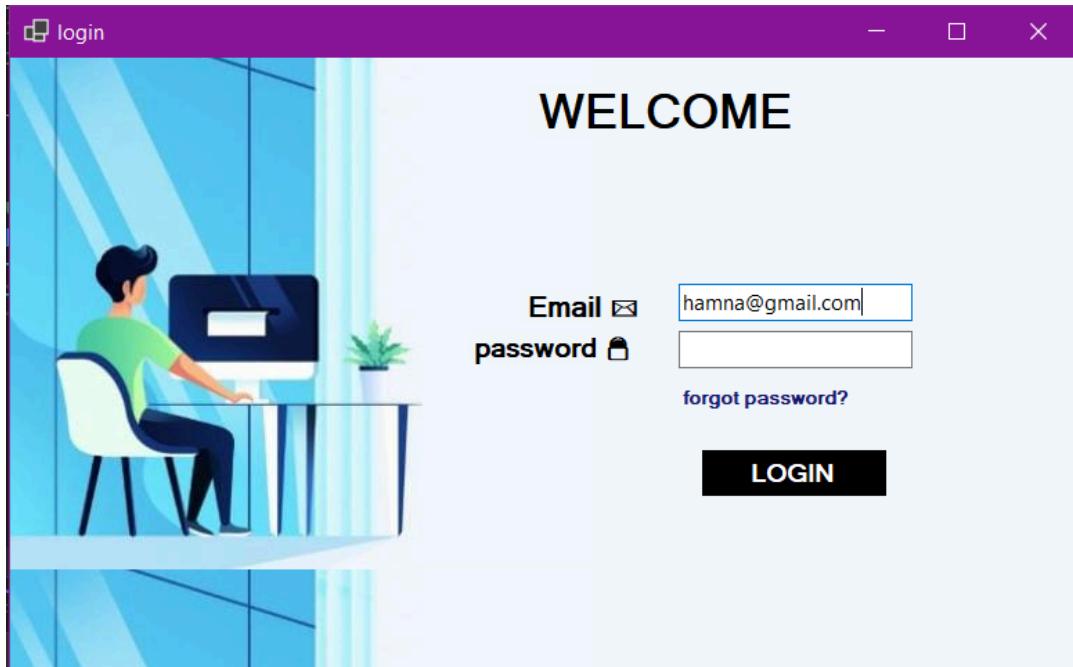
Pipe and Filter:

Some modules in EduSync are implemented with pipe and filter architecture.

Such as accessing or updating data from the database, as these are sequential processes and not interactive.



Actual implementation ScreenShot



Profile

Admin Profile

Kissa

New Name:

New Password:

SUBMIT

LOG OUT

Profile

Enroll Instructor

Enroll Student

Create Course

enrolledStudents

Enroll Student

Name:

Email:

Password: Password must be at least 8 characters, with an uppercase letter and a digit.

Section:

Course:

SUBMIT

LOG OUT

Profile

Enroll Instructor

Enroll Student

Create Course

enrollTeacher

Enroll Instructor

LOG OUT

Name:

Email:

Password:

Section:

Course:

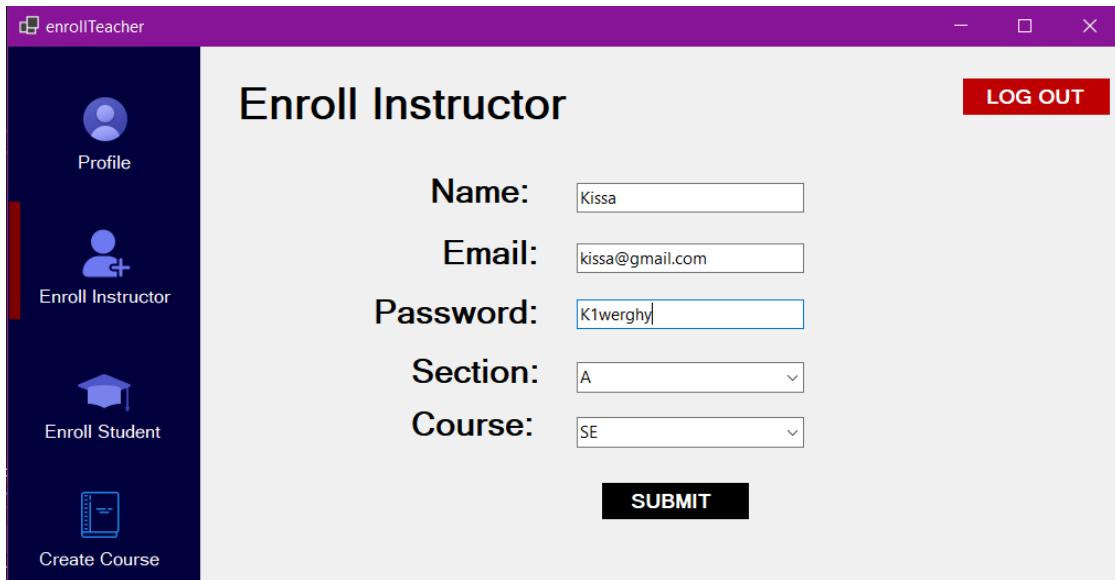
SUBMIT

Profile

Enroll Instructor

Enroll Student

Create Course



CreateCourse

Create a new course

LOG OUT

Course Name:

Section:

Instructor:

SUBMIT

New Course has been registered!

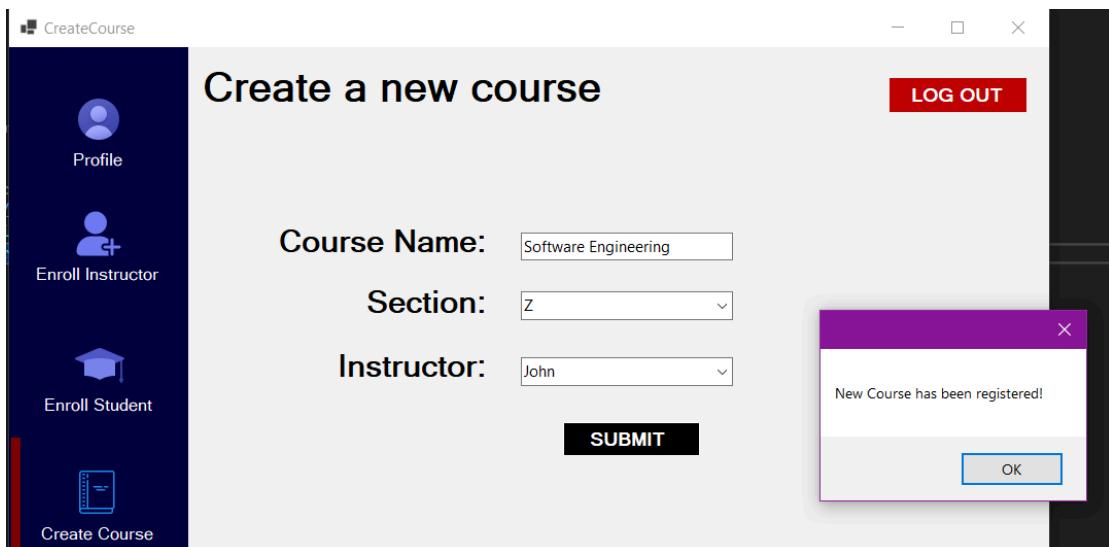
OK

Profile

Enroll Instructor

Enroll Student

Create Course



ContentUpload

ASSIGNMENT

LOG OUT

Course: SE

Section: C

Due Date: Friday , March 22, 2024

Assignment file: James W. Kurose, Keith W. Ross - Computer Network

SHOW FILES **UPLOAD**

Assignment
Quiz
Lecture Notes
Announcement

Quiz

QUIZ

LOG OUT

Student ID: 4

Section: D

Course: SE

Quiz file: James W. Kurose, Keith W. Ross - Computer Network

SHOW FILES **UPLOAD**

Assignment
Quiz
Lecture Notes
Announcement

Notes

LECTURE NOTES

LOG OUT

Assignment

Quiz

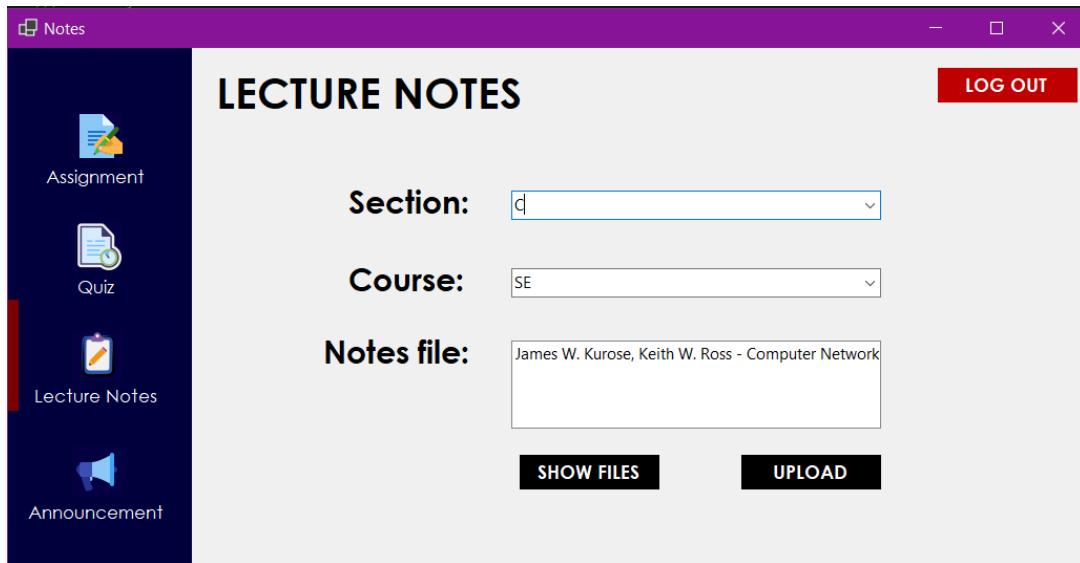
Lecture Notes

Announcement

Section:

Course:

Notes file:



Announcement

ANNOUNCEMENT

LOG OUT

Assignment

Quiz

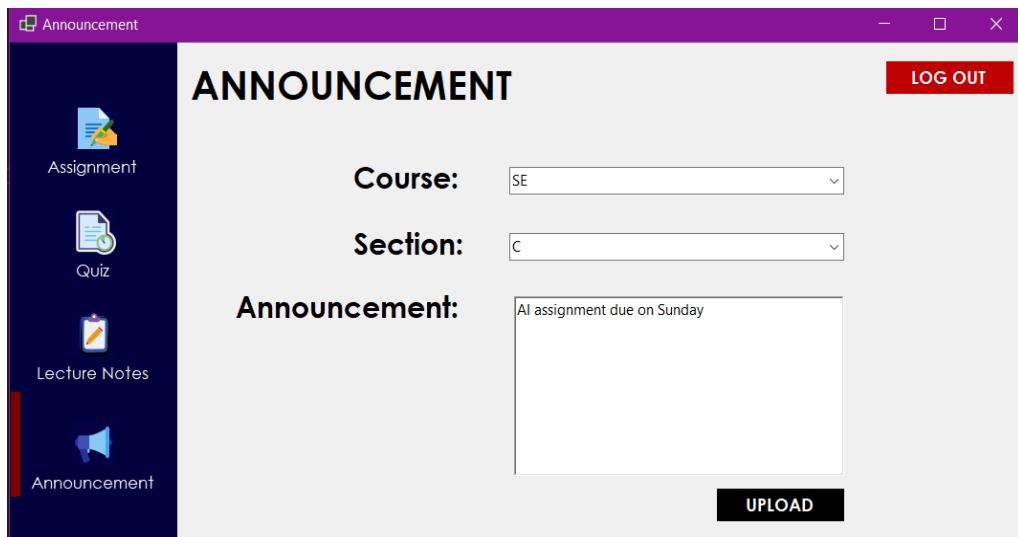
Lecture Notes

Announcement

Course:

Section:

Announcement:



// student arham

The screenshot shows a window titled "Dashboard". In the top right corner is a red "LOG OUT" button. On the left, there is a sidebar with a list of courses:

	CourseID	Course Name	Instructor Name
▶	1	SE	Elijah
	2	Web Programm...	John
	3	AI	Rory
	4	PDC	Elijah
	5	Web Programm...	John
	6	Numerical	Rory
	7	CNet	Elijah
	8	DIP	John
*			

The screenshot shows a window titled "Assignment". In the top right corner is a red "LOG OUT" button. On the left, there is a sidebar with icons for Assignment, Quiz, Lecture Notes, Announcement, Student Notes, and Bookmarks. The "Assignment" icon is highlighted. Below the sidebar, there is a "DashBoard" button and a "Save Bookmark" button. The main area displays a table of assignments:

	Assignment number	Deadline	download	Bookmarks
▶	1	Wednesday, 3 ...	C:\Users\khana...	<input checked="" type="checkbox"/>
	3	Thursday, 18 A...	C:\Users\khana...	<input checked="" type="checkbox"/>
	4	Tuesday, 9 April...	C:\Users\khana...	<input type="checkbox"/>
	5	Friday, 19 April ...	C:\Users\khana...	<input type="checkbox"/>
	8	Tuesday, 23 Apr...	C:\Users\khana...	<input type="checkbox"/>
*				<input type="checkbox"/>

QuizStudent

LOG OUT

Assignment

Quiz

Lecture Notes

Announcement

Student Notes

Bookmarks

Quiz

	Quiz number	download	Bookmark
▶	1	C:\Users\khana...	<input checked="" type="checkbox"/>
	3	C:\Users\khana...	<input type="checkbox"/>
*			<input type="checkbox"/>

DashBoard

Save Bookmark

This screenshot shows the QuizStudent application window. On the left sidebar, there are links for Assignment, Quiz, Lecture Notes, Announcement, Student Notes, and Bookmarks. The main content area is titled 'Quiz' and displays a table with three rows. The first row has a checked bookmark checkbox. At the bottom right of the main area are 'DashBoard' and 'Save Bookmark' buttons.

LectureNotes

LOG OUT

Assignment

Quiz

Lecture Notes

Announcement

Lecture Notes

	CourseID	Course Name	Instructor Name	NotesFilePath
▶	2	Web Programm...	John	C:\Users\hamna...
*				

This screenshot shows the LectureNotes application window. On the left sidebar, there are links for Assignment, Quiz, Lecture Notes, and Announcement. The main content area is titled 'Lecture Notes' and displays a table with two rows. The first row contains course information: CourseID 2, Course Name 'Web Programm...', Instructor Name 'John', and NotesFilePath 'C:\Users\hamna...'. At the bottom right of the main area is a 'LOG OUT' button.

AnnouncementView

Announcement

LOG OUT

A screenshot of a Windows application window titled "AnnouncementView". The main content area is titled "Announcement". In the top right corner is a red "LOG OUT" button. On the left side is a vertical sidebar with icons for Assignment, Quiz, Lecture Notes, and Announcement. The Announcement icon is highlighted with a red bar. The main content area contains a table with the following data:

	CourseID	Course Name	Instructor Name	announcements	
▶	1	SE	Elijah	hhhh	
*					

StudentNotes

STUDENT NOTES

LOG OUT

A screenshot of a Windows application window titled "StudentNotes". The main content area is titled "STUDENT NOTES". In the top right corner is a red "LOG OUT" button. On the left side is a vertical sidebar with icons for Assignment, Quiz, Lecture Notes, Announcement, and Student Notes. The Student Notes icon is highlighted with a red bar. The main content area contains a "New Notes:" input field with a placeholder and a "NEW" button. Below it is a "Notes file:" input field with a placeholder. Underneath is a "Notes:" section with a table showing a list of notes. The table has the following data:

	NoteID	UserID	FilePath	FileName	Actions
▶	1	1032	C:\Users\hamna...	Desktop docsss ...	▲
	2	1032	C:\Users\hamna...	Desktop docsss ...	
	3	1032	C:\Users\hamna...	Desktop docsss ...	
	4	1032	C:\Users\hamna...	Desktop docsss ...	
	5	1032	C:\Users\hamna...	Desktop jjj .docx	
	6	1032	C:\Users\hamna...	Desktop jjj .docx	▼

Dashboard SHOW OPEN

Bookmarks

Assignment_View

Assignment

LOG OUT

A screenshot of a Windows application window titled "Assignment_View". On the left is a vertical sidebar with icons for Assignment, Quiz, Lecture Notes, Announcement, and Student Notes. The main area is titled "Assignment" and contains a table with four columns: Assignment number, Deadline, download, and Bookmarks. Row 1 has checked checkboxes in the Bookmarks column. A modal dialog box in the center says "Bookmark saved successfully." with an "OK" button. A "Save Bookmark" button is visible in the bottom right corner of the main area.

	Assignment number	Deadline	download	Bookmarks
▶	1	Sunday, March ...	C:\Users\hamna...	<input checked="" type="checkbox"/>
	4	Thursday, April ...	C:\Users\hamna...	<input type="checkbox"/>
	5	Tuesday, April 9...	C:\Users\hamna...	<input type="checkbox"/>
*				<input type="checkbox"/>

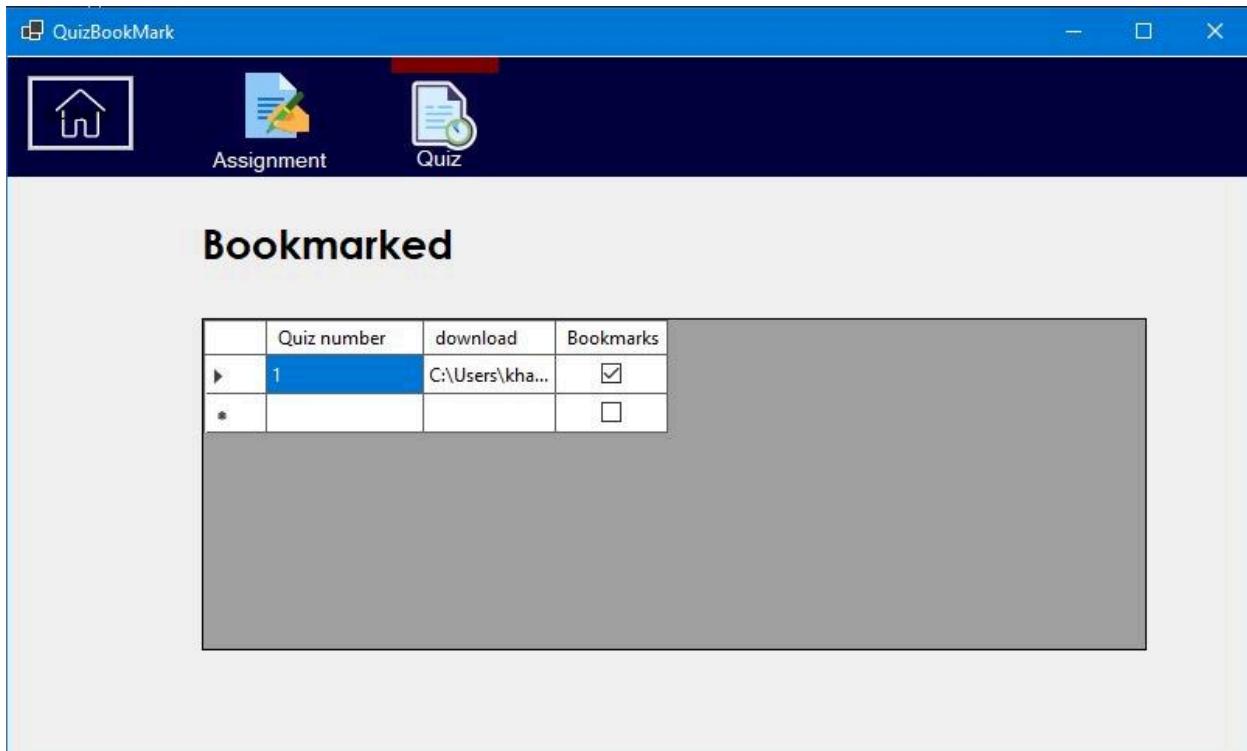
Bookmark saved successfully.
OK

Save Bookmark

Bookmark

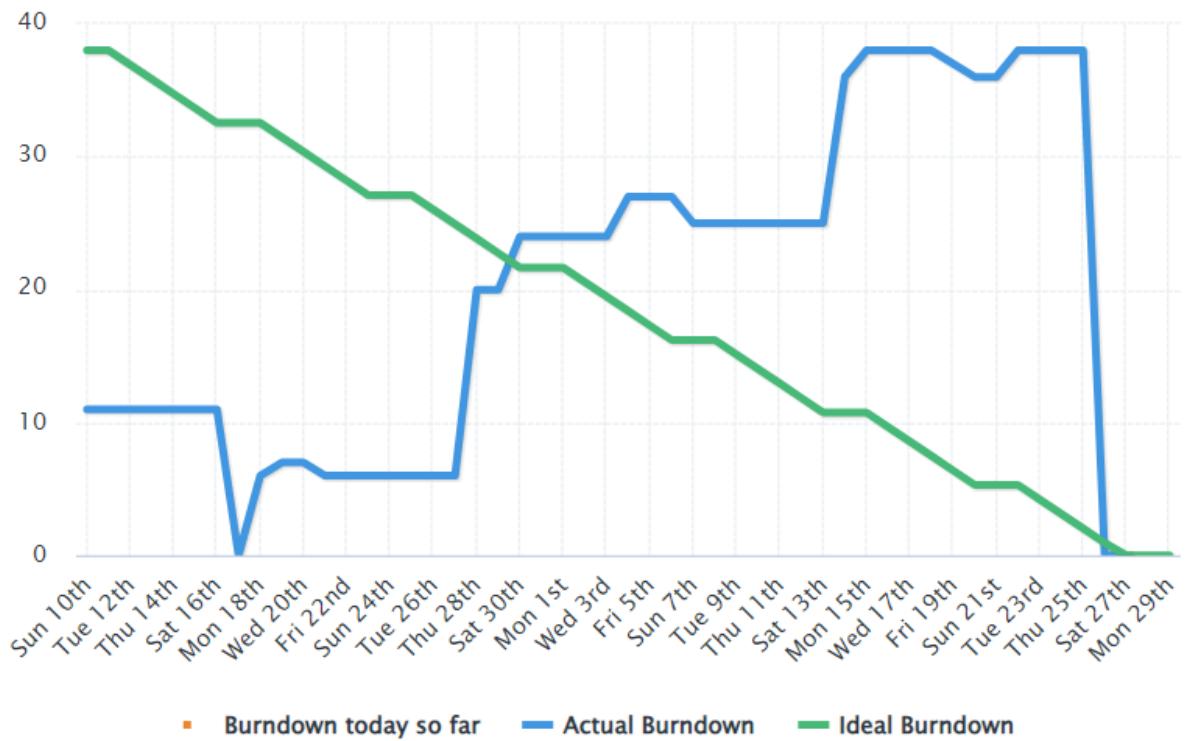
A screenshot of a Windows application window titled "Bookmark". The top navigation bar includes icons for Home, Assignment, and Quiz. The main area is titled "Bookmarked" and contains a table with five columns: Assignment number, Deadline, download, and Bookmarks. Rows 1 and 3 have checked checkboxes in the Bookmarks column. Row 2 has an unchecked checkbox.

	Assignment number	Deadline	download	Bookmarks
▶	1	Wednesday, 3 ...	C:\Users\khana...	<input checked="" type="checkbox"/>
	3	Thursday, 18 A...	C:\Users\khana...	<input checked="" type="checkbox"/>
*				<input type="checkbox"/>

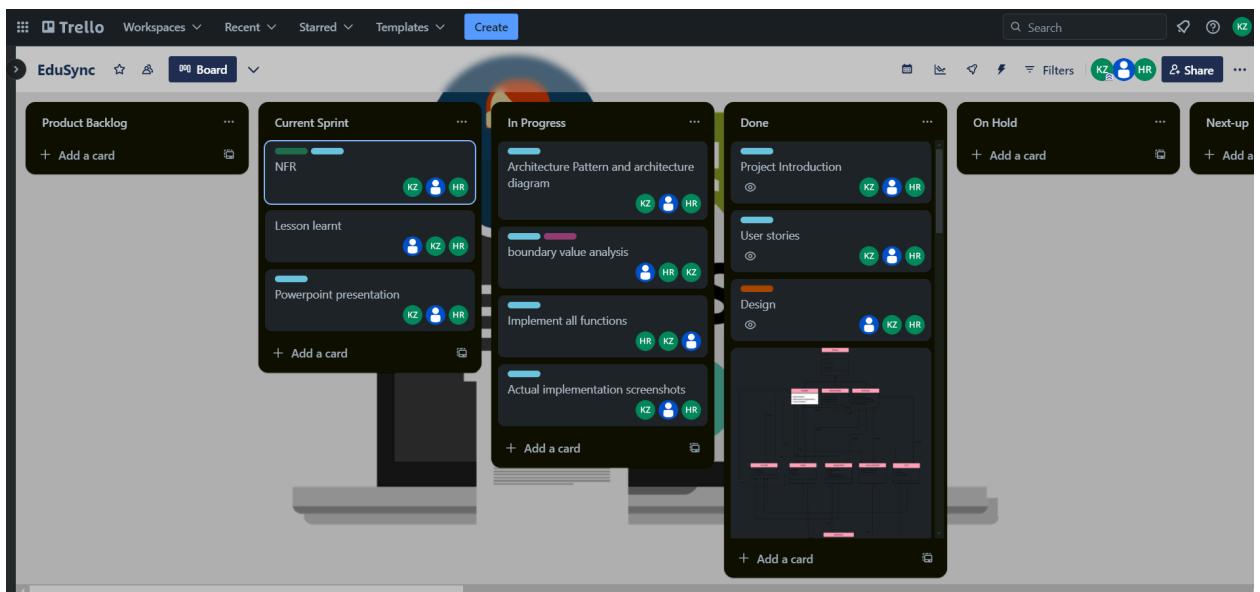
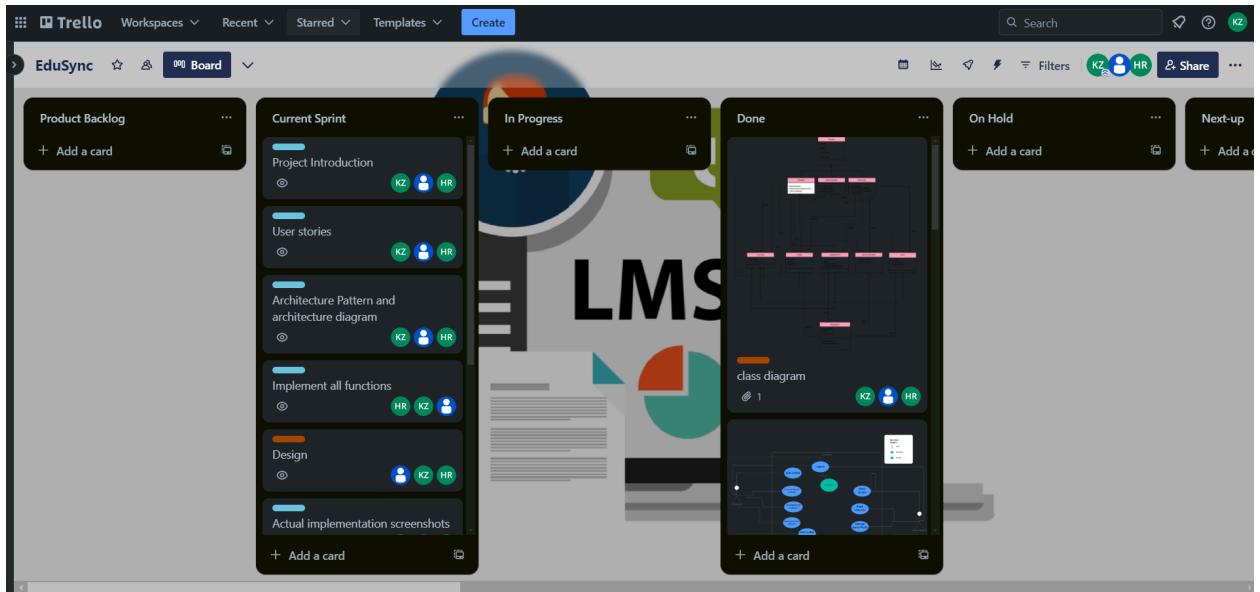


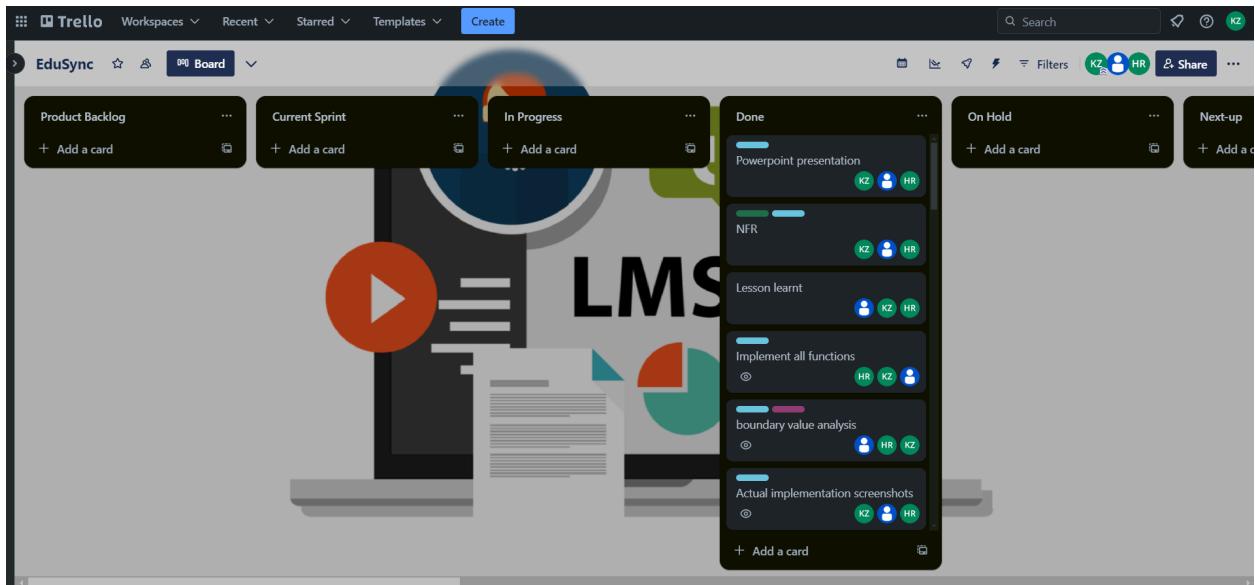
Product Burndown chart for the project

Mar 8, 2024 - April, 28 2024



Trello board ScreenShot





Boundary value analysis

Login

Email:

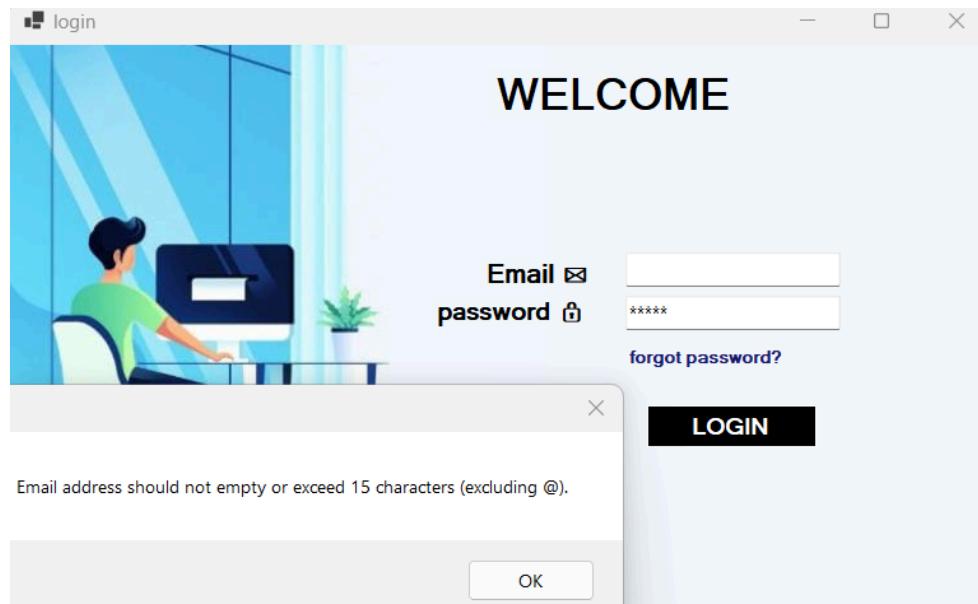
Test Case Id: 01	Tested Field: Email
Title: Length of the email is 0	
Description	Test the length of the email field in the login
Operational Steps	Enter “” Enter “RandomP1” Press “Login” Button
Expected Result	A screen msg saying “Password field should not be empty”

Test Case Id: 01

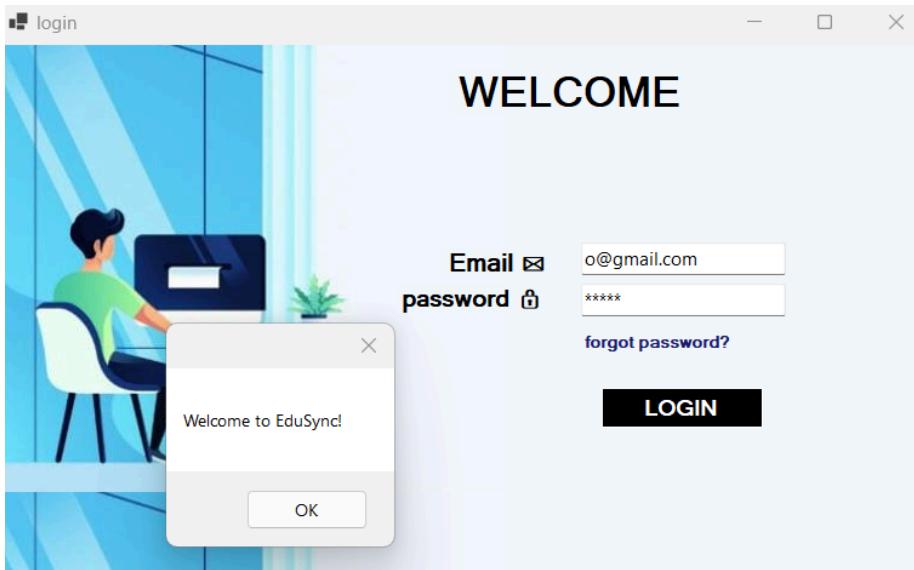
Tested Field: Email

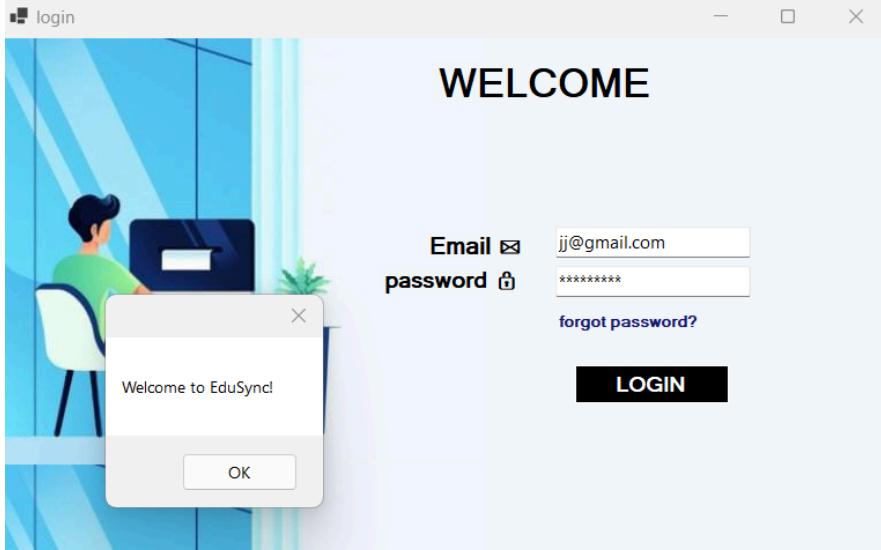
Title: Length of the email is 0

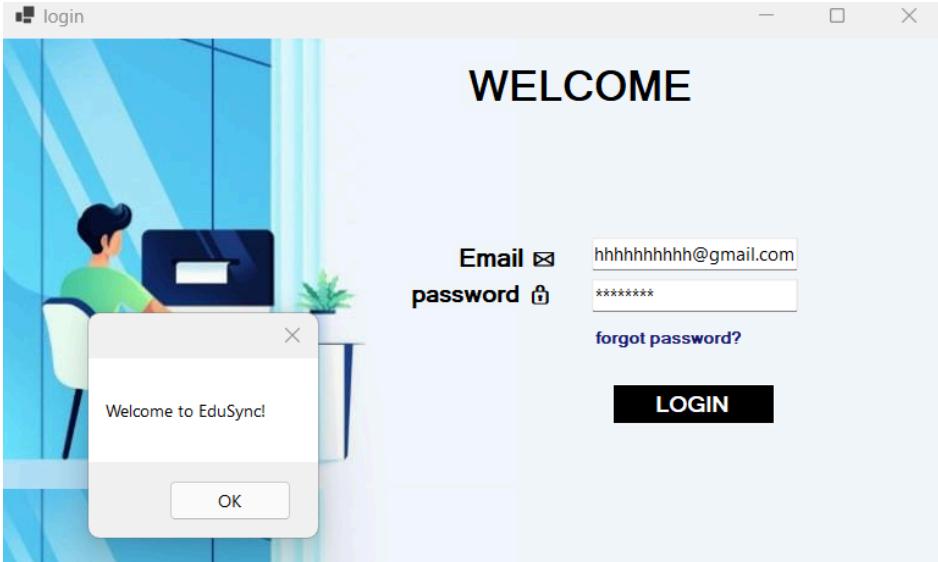
ScreenShot/Actual Result

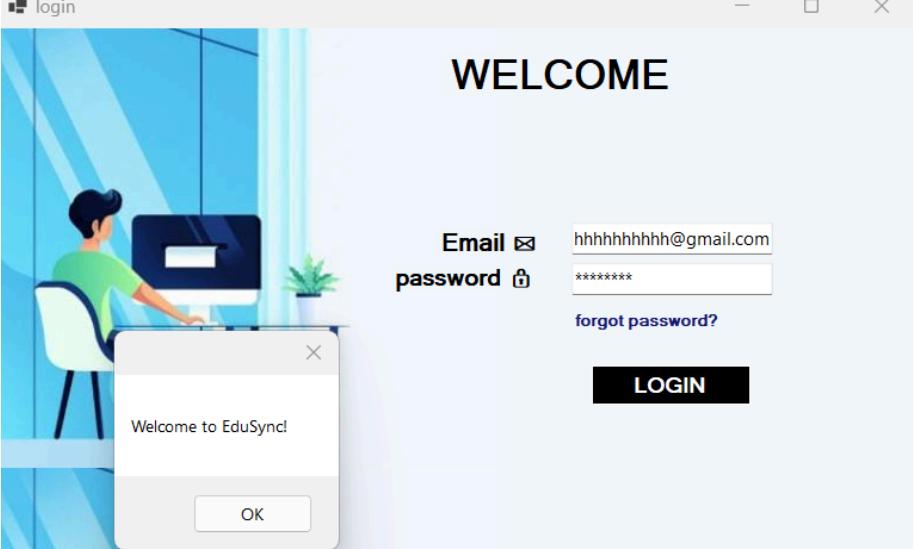


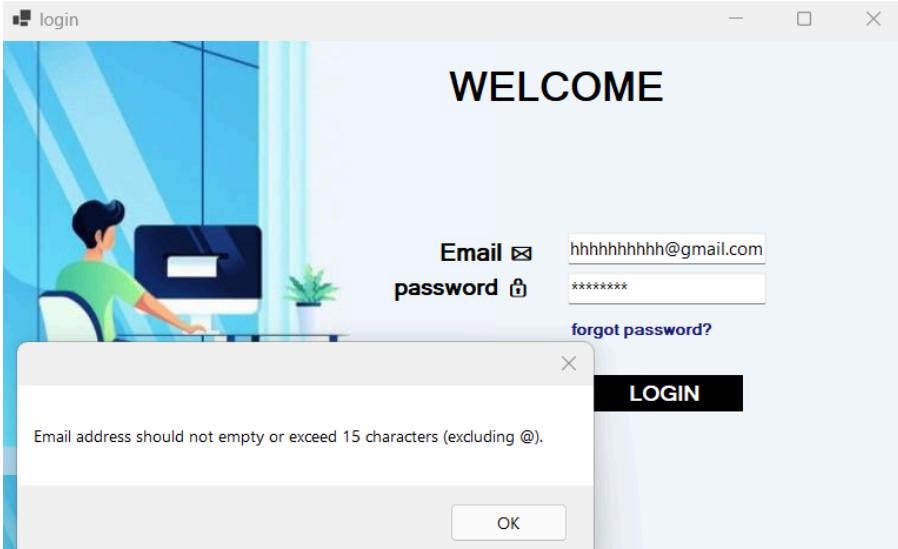
Test case result: PASSED

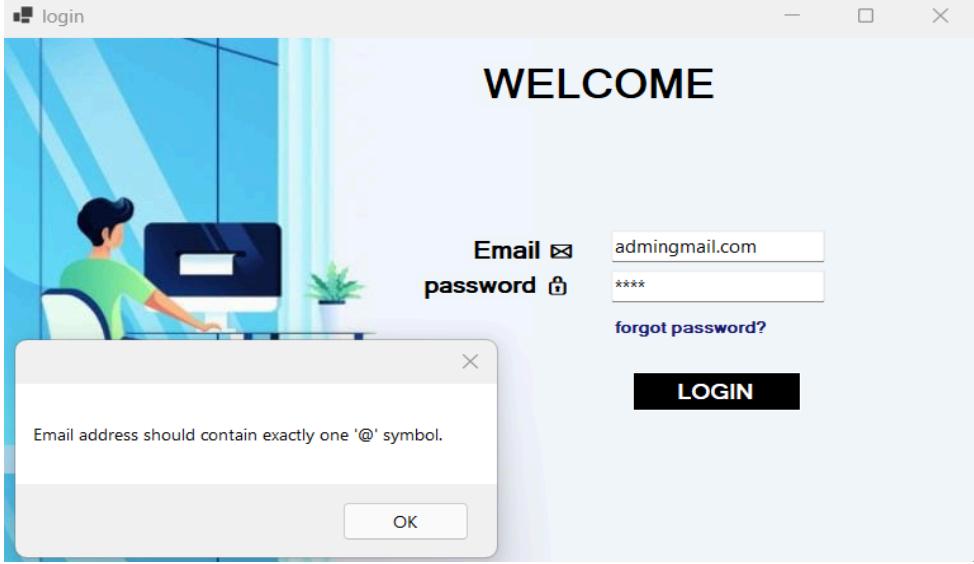
Test Case Id: 02	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: Checking if the length of the name is 1	
Description	Test the length of the email field in the login
Operational Steps	Enter “o@gmail.com” Enter “admin” Press “Login” Button
Expected Result A screen msg saying “Name field is valid ”	
ScreenShot/Actual Result	
 <p>The screenshot shows a login page for 'EduSync'. The page features a background illustration of a person working at a desk. At the top right, it says 'WELCOME'. Below the illustration are fields for 'Email' (containing 'o@gmail.com') and 'password' (containing '*****'). There is a 'forgot password?' link and a 'LOGIN' button. A small modal window in the foreground displays the text 'Welcome to EduSync!' and has an 'OK' button.</p>	
Test case result: PASSED	

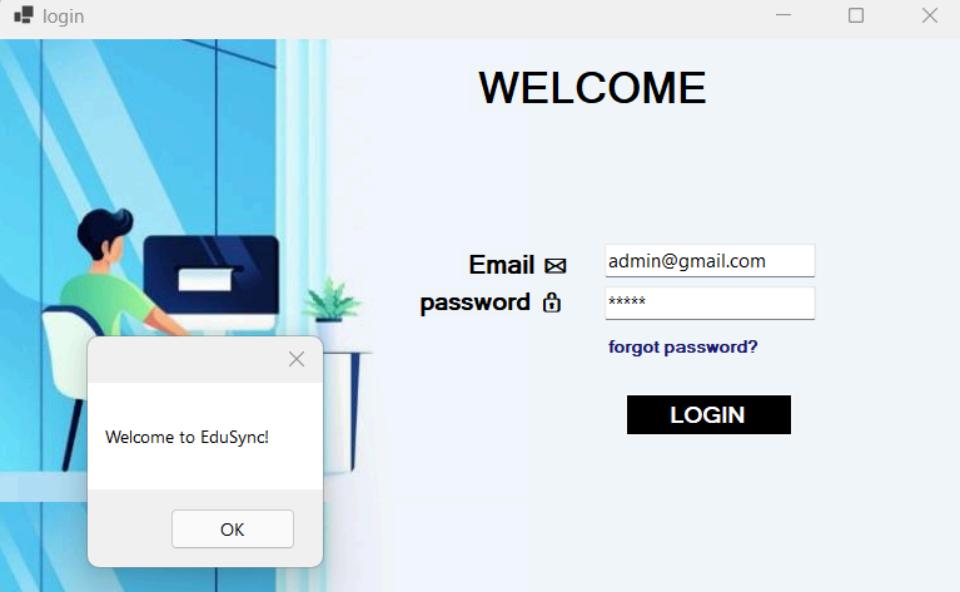
Test Case Id: 03	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: Checking if the length of the name is 2	
Description	Test the length of the email field in the login
Operational Steps	Enter “jj@gmail.com” Enter “K1ssaZah” Press “Login” Button
Expected Result A screen msg saying “Name field is valid ”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows a login window titled "login". The background features a blue-toned illustration of a person at a desk. In the center, there is a large "WELCOME" text. Below it, there are two input fields: "Email" with "jj@gmail.com" and "password" with masked text. To the right of the password field is a "forgot password?" link. A large black "LOGIN" button is positioned below the fields. In the foreground, a small white modal window is displayed with the text "Welcome to EduSync!" and an "OK" button.</p>	
Test case result: PASSED	

Test Case Id: 04	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: Checking if the length of the name is 14 (max-1)	
Description	Test the length of the email field in the login
Operational Steps	Enter “hhhhhhhhhhhhhh@gmail.com” Enter “K1ssaZah” Press “Login” Button
Expected Result A screen msg saying “Name field is valid ”	
ScrenShot/Actual Result	
 <p>The screenshot shows a login interface for 'EduSync'. The main background image features a person sitting at a desk with a computer monitor. Overlaid on this is a 'WELCOME' message in large capital letters. Below the message are two input fields: 'Email' containing 'hhhhhhhhhh@gmail.com' and 'password' containing '*****'. To the right of these fields is a 'LOGIN' button. In the bottom left corner of the main window, there is a smaller, semi-transparent pop-up window with the text 'Welcome to EduSync' and an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 05	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: Checking if the length of the name is 15 (max)	
Description	Test the length of the email field in the login
Operational Steps	Enter “hhhhhhhhhhhhhh@gmail.com” Enter “K1ssaZah” Press “Login” Button
Expected Result A screen msg saying “Email field is valid ”	
ScreenShot/Actual Result	
 <p>The screenshot shows a login window titled "login". The background features a blue-toned illustration of a person at a computer. In the center, the word "WELCOME" is displayed. Below it, there are two input fields: "Email" with the value "hhhhhhhhhh@gmail.com" and "password" with the value "*****". To the right of these fields is a "LOGIN" button. A small pop-up window in the foreground displays the message "Welcome to EduSync!" with an "OK" button.</p>	
Test case result: PASSED	

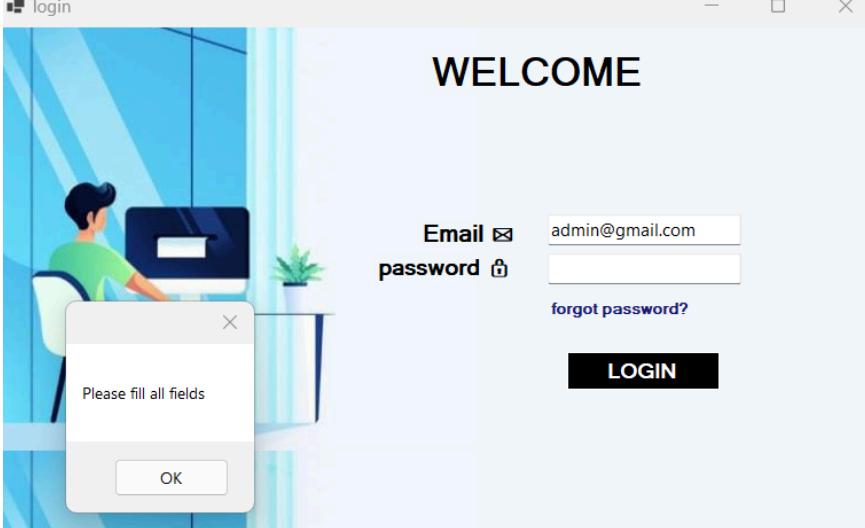
Test Case Id: 06	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: Checking if the length of the name is 16 (max+1)	
Description	Test the length of the email field in the login
Operational Steps	Enter “hhhhhhhhhhhhhhhh@gmail.com” Enter “K1ssaZah” Press “Login” Button
Expected Result A screen msg saying “Invalid format. Email length shouldnt exceed 15 characters ”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows a login interface with a "WELCOME" header and a background illustration of a person at a desk. The "Email" field contains "hhhhhhhhhhhhhh@gmail.com" and the "password" field contains "*****". A modal dialog box is displayed, stating "Email address should not empty or exceed 15 characters (excluding @)".</p>	
Test case result: PASSED	

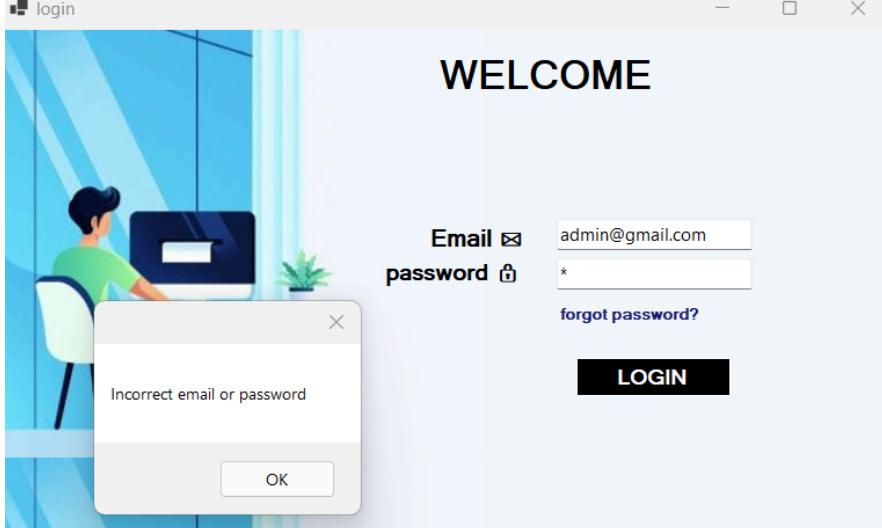
Test Case Id: 07	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: contains 0 '@'	
Description	Test the length of the email field in the login
Operational Steps	Enter "kigmail.com" Enter "K1ssaZah" Press "Login" Button
Expected Result A screen msg saying "Email field is invalid. It should contain exactly 1 @"	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows a 'login' window with a 'WELCOME' message. A modal dialog box displays the error message: 'Email address should contain exactly one '@' symbol.' with an 'OK' button.</p>	
Test case result: PASSED	

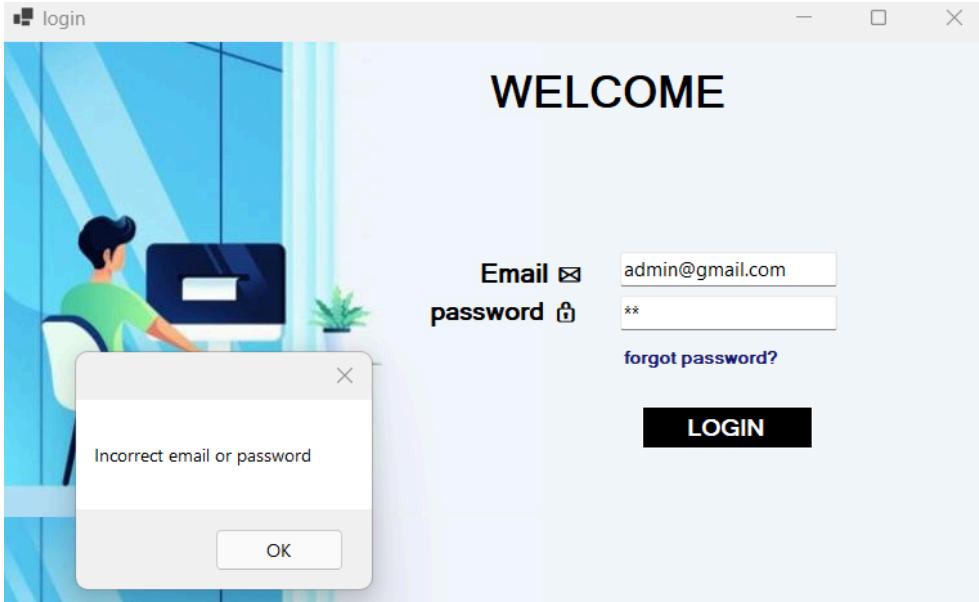
Test Case Id: 08	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: contains 1 '@'	
Description	Test the length of the email field in the login
Operational Steps	Enter "ki@gmai.com" Enter "K1ssaZah" Press "Login" Button
Expected Result A screen msg saying "Name field is valid. it contains exactly 1 @"	
ScreenShot/Actual Result	
 <p>The screenshot shows a login interface for 'EduSync'. The main background features a blue-toned illustration of a person at a desk. In the center, there's a large 'WELCOME' text. Below it, the login form has fields for 'Email' (with 'admin@gmail.com' entered) and 'password' (with '*****' entered). A 'forgot password?' link is also visible. A prominent feature is a small modal window in the foreground that says 'Welcome to EduSync!' with an 'OK' button. The overall layout is clean and modern.</p>	
Test case result: PASSED	

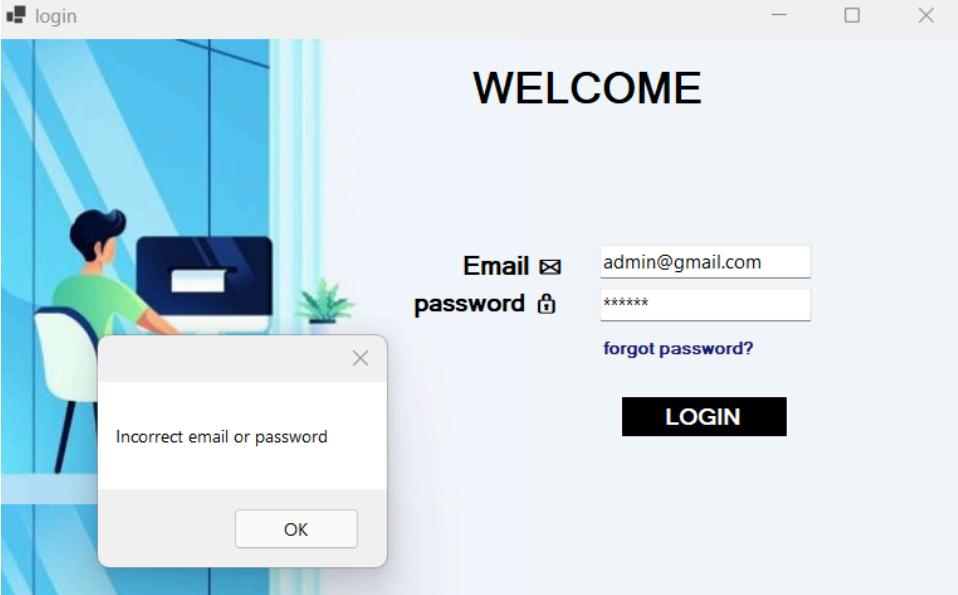
Test Case Id: 09	Tested Field: Email
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: contains multiple ‘@’	
Description	Test the length of the email field in the login
Operational Steps	Enter “ki@@@gmail.com” Enter “K1ssaZah” Press “Login” Button
Expected Result A screen msg saying “Email field is invalid. It should contain exactly 1 @”	
ScreenShot/Actual Result	
<p>The screenshot shows a Windows-style login window titled "login". The main background image is a person at a computer desk. The word "WELCOME" is centered above the input fields. There are two input fields: "Email" and "password". The "Email" field contains "dmin@@@gmail.com" and the "password" field contains "*****". Below the fields is a link "forgot password?". A black "LOGIN" button is at the bottom right. A modal dialog box is overlaid on the window, containing the error message "Email address should contain exactly one '@' symbol." with an "OK" button at the bottom.</p>	
Test case result: PASSED	

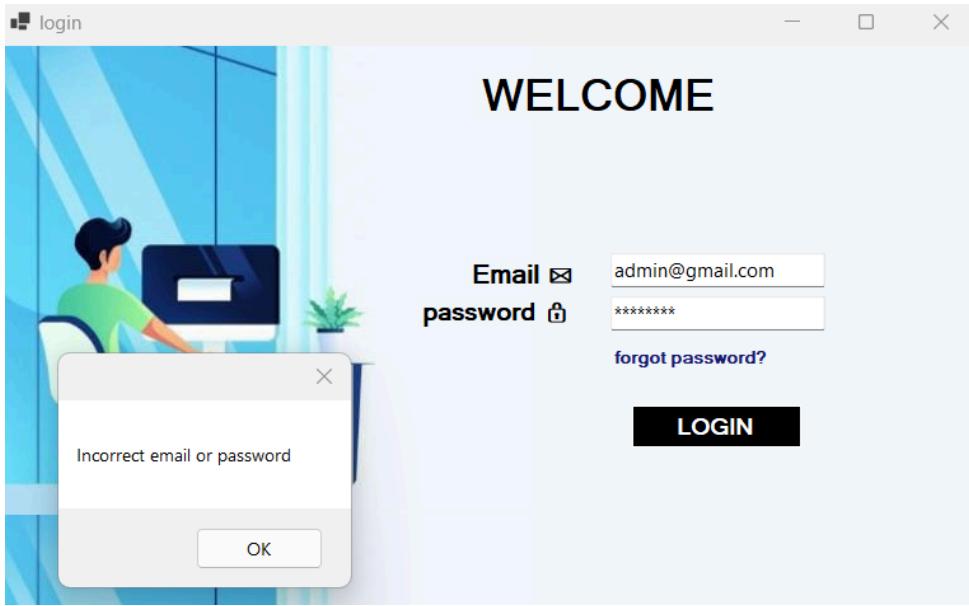
Password:

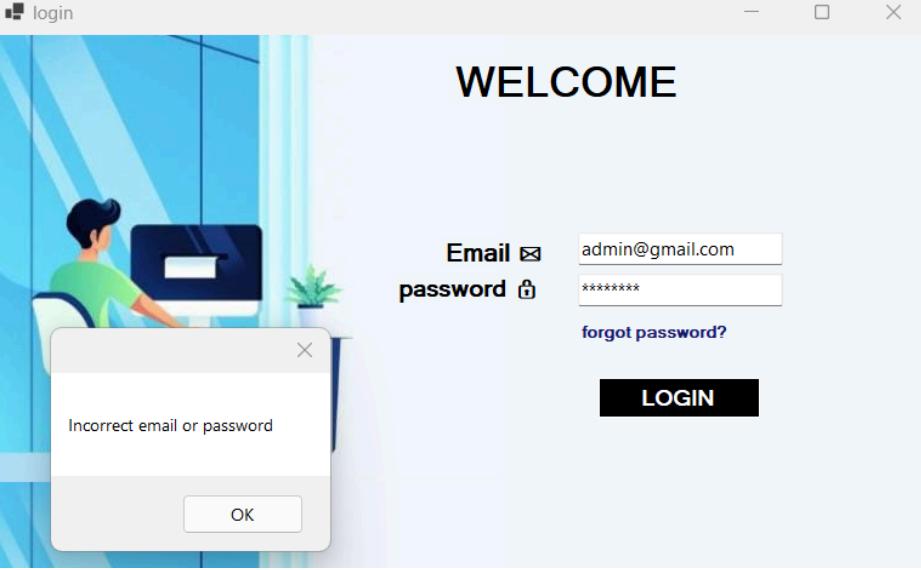
Test Case Id: 10	Tested Field: Password
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: password field is empty	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “” Press “Login” Button
Expected Result A screen msg saying “Password Field is not filled so it can not login.”	
ScreenShot/Actual Result	
 A screenshot of a Windows-style login window titled "login". The window features a "WELCOME" header and a background illustration of a person at a desk. On the right side, there are fields for "Email" (containing "admin@gmail.com") and "password" (empty). Below these fields is a "forgot password?" link and a large black "LOGIN" button. A small error dialog box is overlaid on the left, displaying the message "Please fill all fields" and an "OK" button.	
Test case result: PASSED	

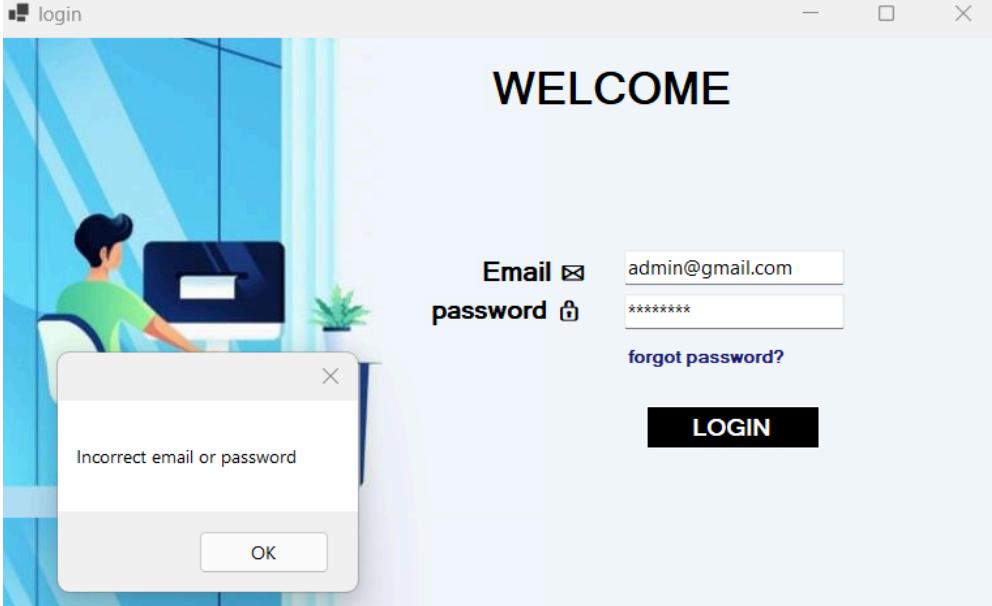
Test Case Id: 11	Tested Field: Password
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: password field length is 1 character with no digit and capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “a” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should be length >=8 and contains at least one digit and one capital”	
ScreenShot/Actual Result	
 <p>The screenshot shows a login page with a "WELCOME" header. On the right, there are fields for "Email" (with "admin@gmail.com" entered) and "password" (with an empty field). Below these fields are links for "forgot password?" and a "LOGIN" button. A modal dialog box in the foreground displays the message "Incorrect email or password" and has an "OK" button.</p>	
Test case result: PASSED	

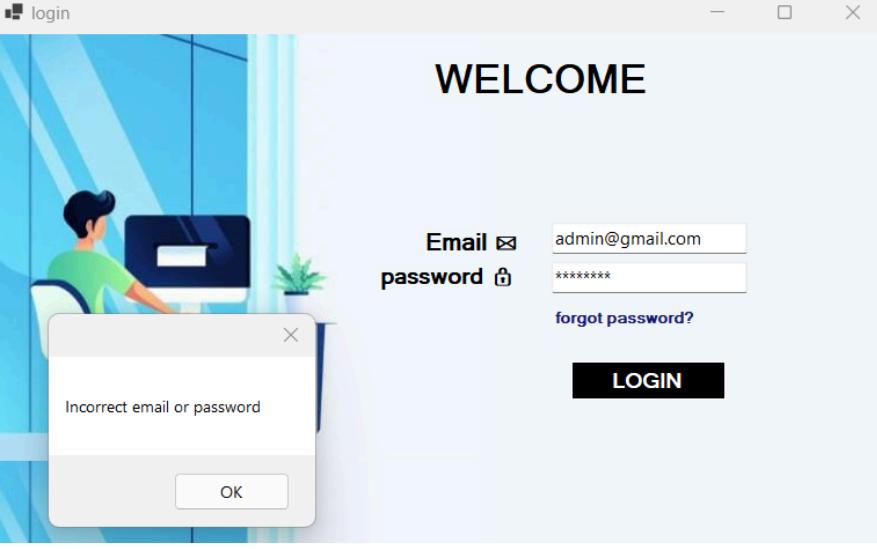
Test Case Id: 12	Tested Field: Password
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: password field length is 2 character with no digit and capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aA” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should be length ≥ 8 and contains at least one digit and one capital”	
ScrenShot/Actual Result	
 <p>The screenshot shows a login page titled "WELCOME". On the right, there are fields for "Email" (containing "admin@gmail.com") and "password" (containing "**"). Below these fields is a link "forgot password?". At the bottom right is a large "LOGIN" button. A modal dialog box in the foreground displays the message "Incorrect email or password" and has an "OK" button.</p>	
Test case result: PASSED	

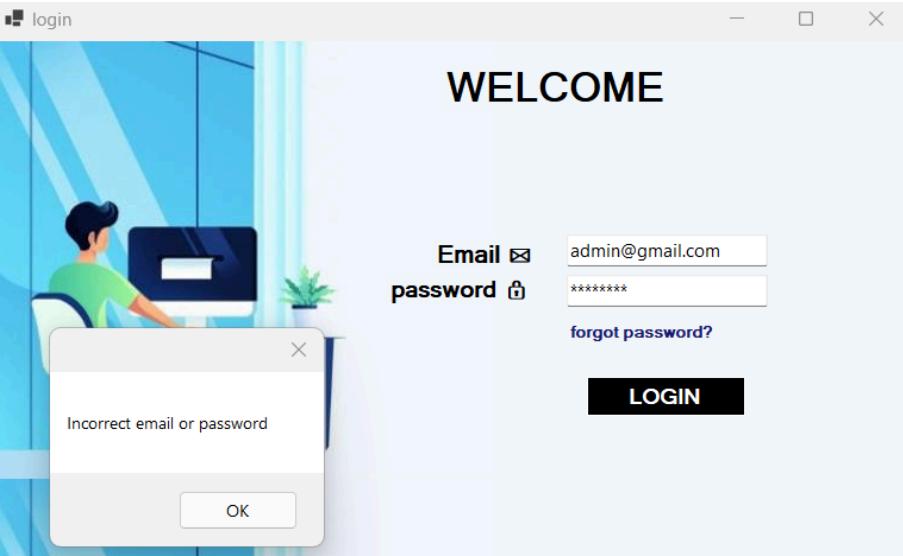
Test Case Id: 13	Tested Field: Password
Wrote By: Arham Akmal	Documented Date: 21/04/2024
Title: password field length is 7 character with a digit and a capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aaaaaaA1” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should be length >=8 and contains at least one digit and one capital”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows a login interface with a "WELCOME" header. On the right, there are fields for "Email" (with "admin@gmail.com" entered) and "password" (with "*****" entered). Below these fields is a "forgot password?" link and a large "LOGIN" button. A modal dialog box in the foreground displays the error message "Incorrect email or password" and has an "OK" button.</p>	
Test case result: PASSED	

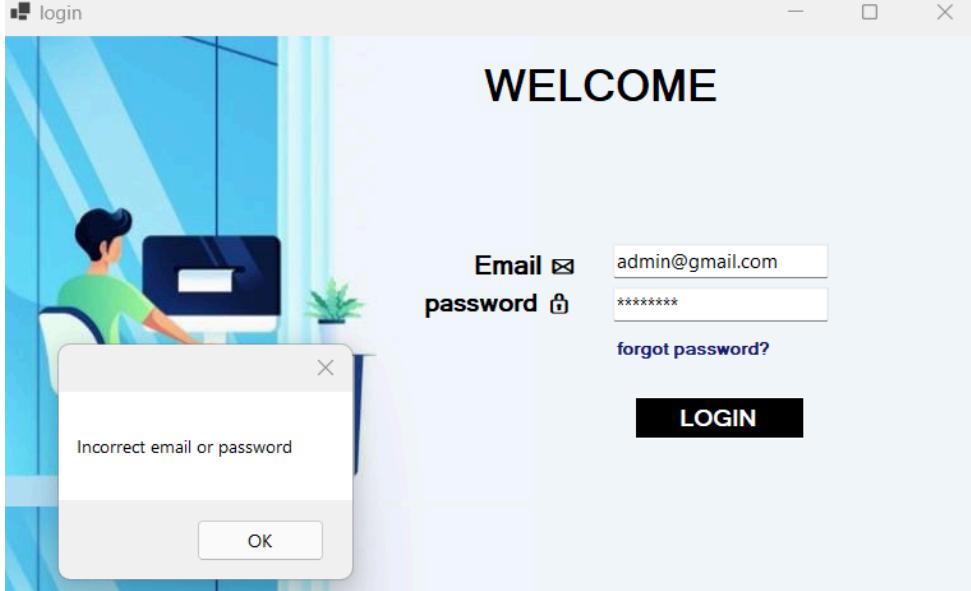
Test Case Id: 14	Tested Field: Password
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: password field length is 9 character with no digit and no capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aaaaaaaaaa” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should contains at least one digit and one capital”	
<p style="text-align: center;">ScrenShot/Actual Result</p>  <p>The screenshot shows a login window titled "login". The main area has a blue background with a person at a computer. On the right, it says "WELCOME". Below that are fields for "Email" (with "admin@gmail.com" entered) and "password" (with "*****" entered). There is a "forgot password?" link and a "LOGIN" button. A small modal window in the foreground displays the message "Incorrect email or password" with an "OK" button.</p>	
Test case result: PASSED	

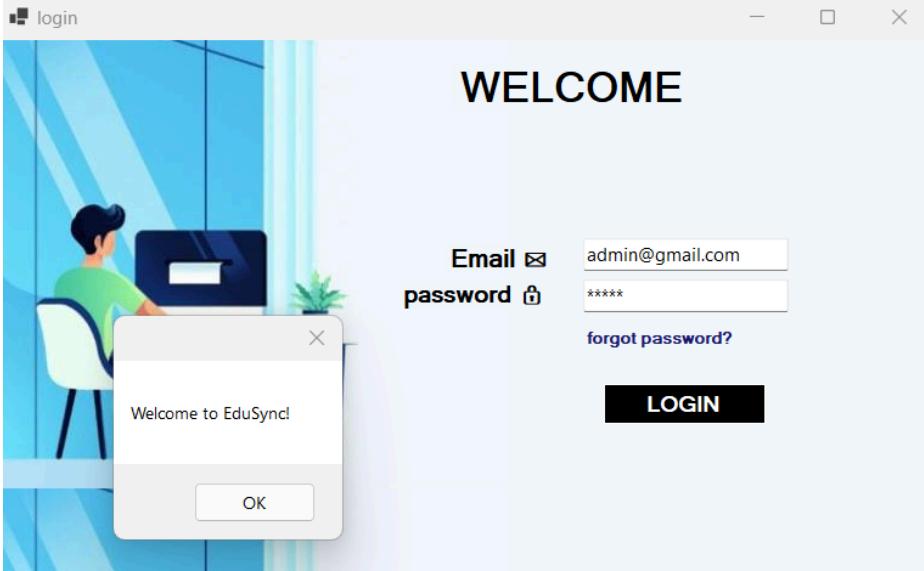
Test Case Id: 15	Tested Field: Password
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: contain 8 characters with no digit and no capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aaaaaaaa” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should contains at least one digit and one capital”	
ScrenShot/Actual Result	
 <p>The screenshot shows a login interface with a "WELCOME" header. On the right, there are fields for "Email" (with "admin@gmail.com" entered) and "password" (with "*****" entered). Below the fields are "forgot password?" and "LOGIN" buttons. A modal dialog box in the foreground displays the error message "Incorrect email or password" with an "OK" button.</p>	
Test case result: PASSED	

Test Case Id: 16	Tested Field: Password
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: contain 8 characters with digit and no capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aaaaaaa1” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should contains at least one capital”	
<p style="text-align: center;">ScrenShot/Actual Result</p>  <p>The screenshot shows a login window titled "login". The background features a blue-toned illustration of a person sitting at a desk. On the right side, the word "WELCOME" is displayed in large, bold, black letters. Below it, there are two input fields: "Email" with the value "admin@gmail.com" and "password" with the value "*****". To the right of the password field is a link "forgot password?". A large, semi-transparent error message box is overlaid on the left side of the form. The message box has a white background and a thin gray border. It contains the text "Incorrect email or password" in a small, dark font. At the bottom right of the message box is a button labeled "OK".</p>	
Test case result: PASSED	

Test Case Id: 17	Tested Field: Password
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: contain 8 characters with capital and no digit	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aaaaaaaaA” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should contains at least one digit”	
SceenShot/Actual Result	
 <p>The screenshot shows a login interface with a "WELCOME" header. On the left, there's a cartoon illustration of a person sitting at a desk. The main form has fields for "Email" (with "admin@gmail.com" entered) and "password" (with "*****" entered). Below the password field is a "forgot password?" link. A large, semi-transparent error dialog box is overlaid on the form, containing the text "Incorrect email or password" and an "OK" button.</p>	
Test case result: PASSED	

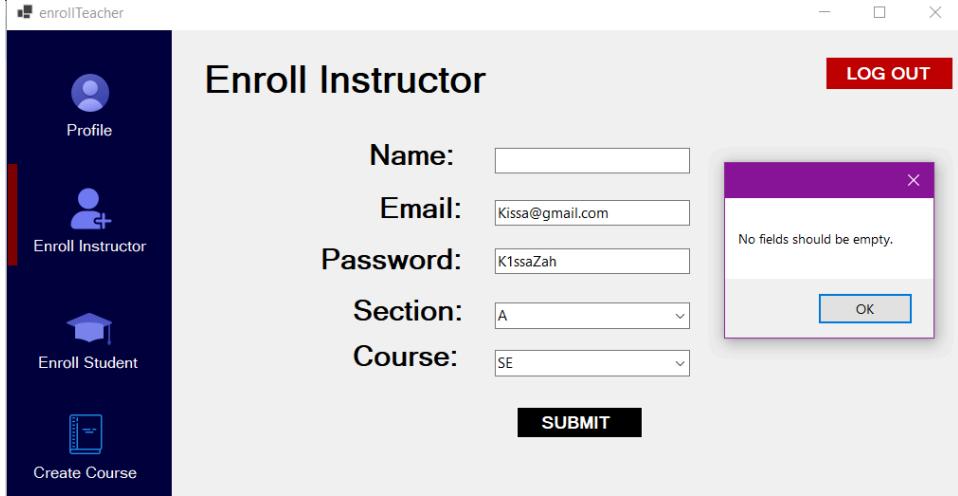
Test Case Id: 18	Tested Field: Password
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: contain 8 digits with no characters and just digits	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “11111111” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should contains at least one digit and one capital”	
ScreenShot/Actual Result	
 <p>The screenshot shows a login interface with a "WELCOME" header. On the left, there's a background image of a person at a computer. The main form has "Email" and "password" fields. The "password" field contains "*****". Below the form is a "LOGIN" button. A modal dialog box in the foreground displays the message "Incorrect email or password" with an "OK" button.</p>	
Test case result: PASSED	

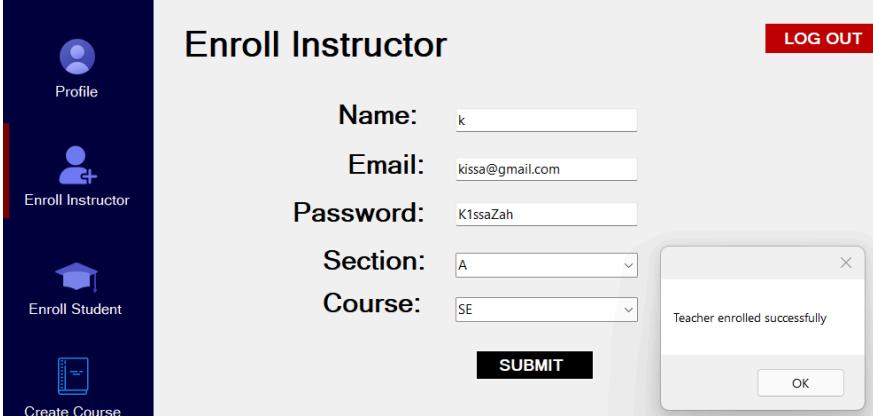
Test Case Id: 19	Tested Field: Password
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: contain 9 characters with no digit and capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “aaaaaaaaA” Press “Login” Button
Expected Result A screen msg saying “Password field is invalid. It should contains at least one digit and one capital”	
ScreenShot/Actual Result	
 <p>The screenshot shows a login interface with a "WELCOME" header. On the right, there are fields for "Email" (admin@gmail.com) and "password" (*****). Below these fields is a "LOGIN" button and a "forgot password?" link. A modal dialog box in the foreground displays the message "Incorrect email or password" and has an "OK" button.</p>	
Test case result: PASSED	

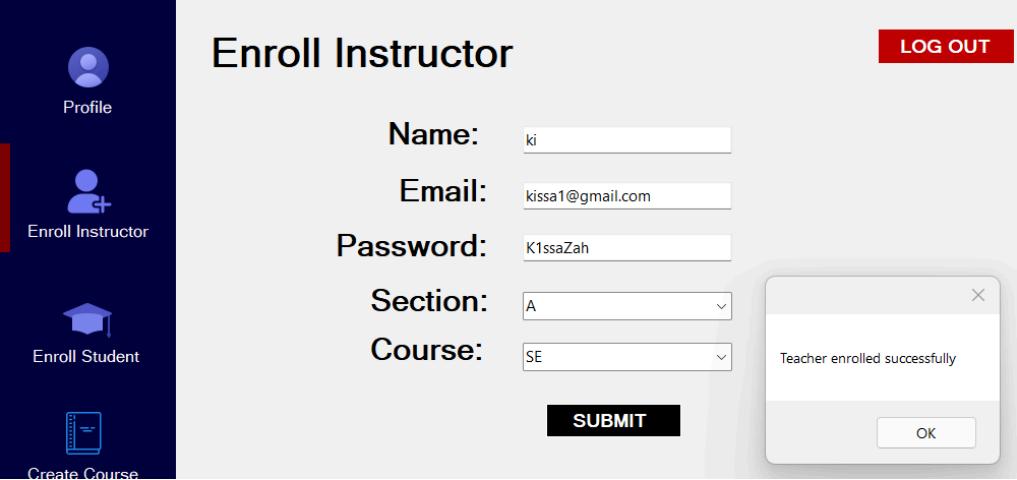
Test Case Id: 20	Tested Field: Password
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: contain 8 characters with a digit and a capital	
Description	Test the length of the password field in the login
Operational Steps	Enter “admin@gmail.com” Enter “K1ssaZah” Press “Login” Button
Expected Result A screen msg saying “Password field is valid”	
ScreenShot/Actual Result	
 <p>The screenshot shows the EduSync login interface. A modal window titled "Welcome to EduSync!" is displayed in the foreground. The main login form has "admin@gmail.com" entered in the Email field and "*****" in the password field. A "LOGIN" button is visible. In the top right corner of the main window, there is a small message: "Password field is valid".</p>	
Test case result: PASSED	

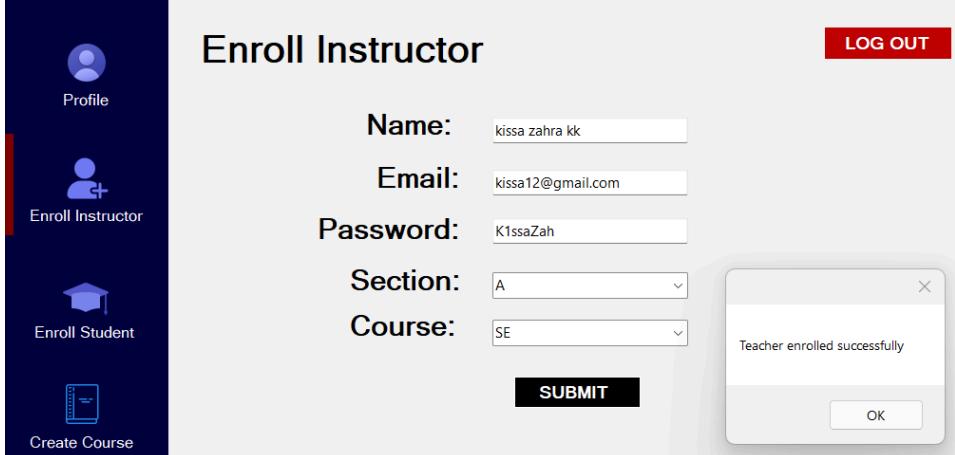
EnrollTeacher

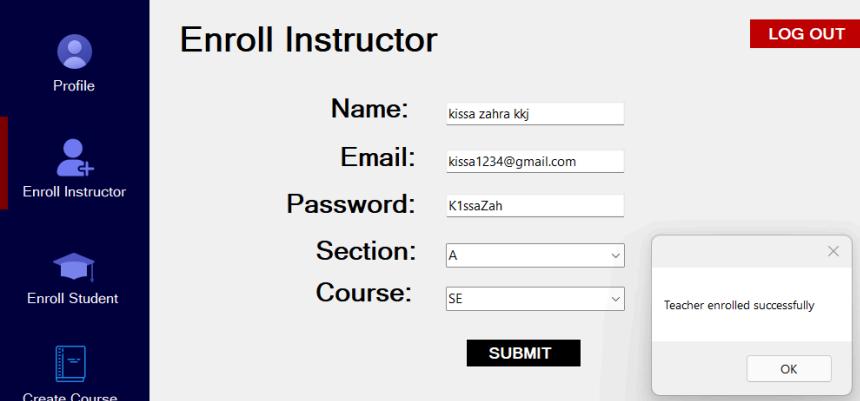
Name:

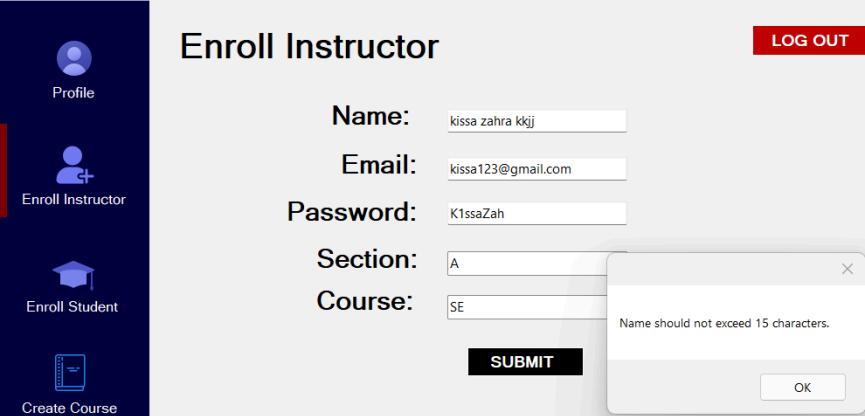
Test Case Id: 21	Tested Field: Name
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Minimum length of the name is 0	
Description	Test the length of the name field in the EnrollTeacher
Operational Steps	Enter “” in name field Enter “ Kissa@gmail.com ” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button
Expected Result A screen msg saying “Name field is empty so can not enroll.”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area has fields for Name, Email, Password, Section, and Course. The Name field is empty. A modal window is open with the message 'No fields should be empty.' and an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 22	Tested Field: Name
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: Minimum length of the name is 1	
Description	Test the length of the name field in the EnrollTeacher
Operational Steps	<p>Enter “K” in name field Enter “Kissa@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Name field is not empty so enrollment successful”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left is a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area has fields for Name (containing 'k'), Email ('kissa@gmail.com'), Password ('K1ssaZah'), Section ('A'), and Course ('SE'). A 'SUBMIT' button is at the bottom. A modal window is open, displaying 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 23	Tested Field: Name
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Checking if the length of the name is 2	
Description	Test the length of the name field in the EnrollTeacher
Operational Steps	<p>Enter “Ki” in name field Enter “Kissa1@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Name field is not empty so enrollment successful”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left sidebar, there are four options: 'Profile' (selected), 'Enroll Instructor' (highlighted with a red bar), 'Enroll Student', and 'Create Course'. The main form has fields for Name ('ki'), Email ('kissa1@gmail.com'), Password ('K1ssaZah'), Section ('A'), and Course ('SE'). A 'SUBMIT' button is at the bottom. A modal dialog box is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

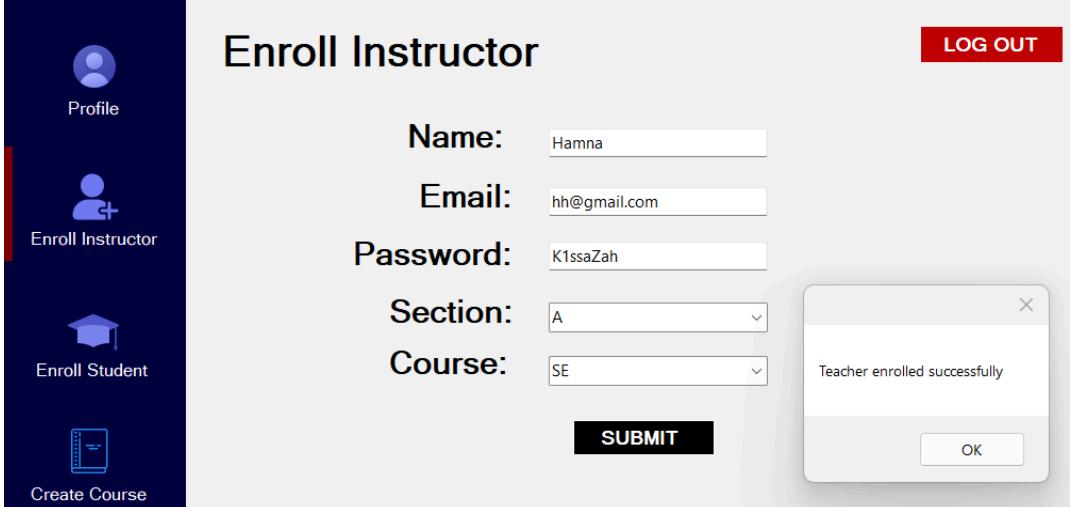
Test Case Id: 24	Tested Field: Name
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: Checking if the length of the name is 14	
Description	Test the length of the name field in the EnrollTeacher
Operational Steps	<p>Enter “Kissa zahra kk” in name field Enter “Kissa12@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Name field is not empty so enrollment successful”	
ScreenShot/Actual Result	
 <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area has fields for Name (kissa zahra kk), Email (kissa12@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A modal window is open, displaying 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

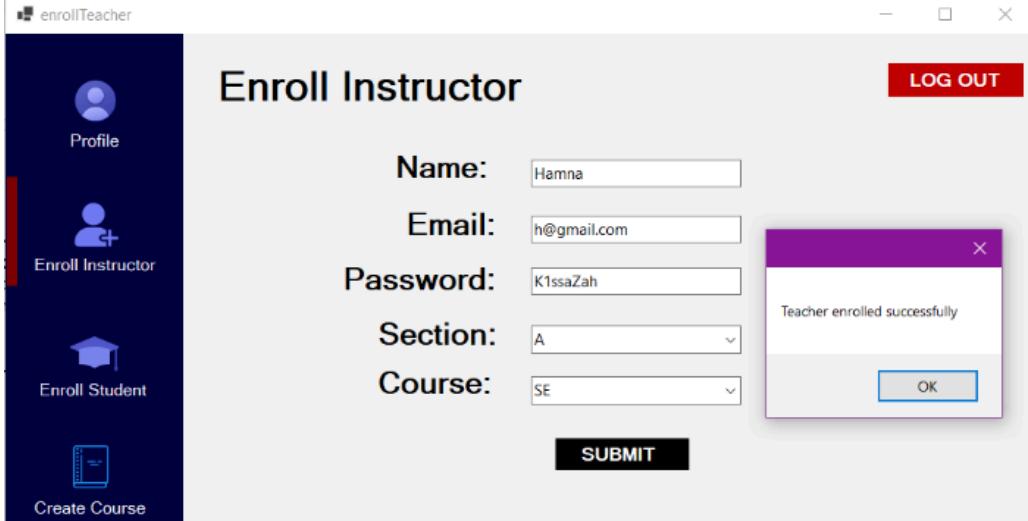
Test Case Id: 25	Tested Field: Name
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Checking if the length of the name is 15 (max length)	
Description	Test the length of the name field in the EnrollTeacher
Operational Steps	<p>Enter “Kissa zahra kkj” in name field Enter “Kissa1234@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Name field is not empty so enrollment successful”	
ScrenShot/Actual Result	
 <p>The screenshot shows the 'Enroll Instructor' page. On the left sidebar, there are four options: 'Profile', 'Enroll Instructor' (which is highlighted in red), 'Enroll Student', and 'Create Course'. The main form has fields for 'Name' (kissa zahra kkj), 'Email' (kissa1234@gmail.com), 'Password' (K1ssaZah), 'Section' (A), and 'Course' (SE). A 'SUBMIT' button is at the bottom. A modal window is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

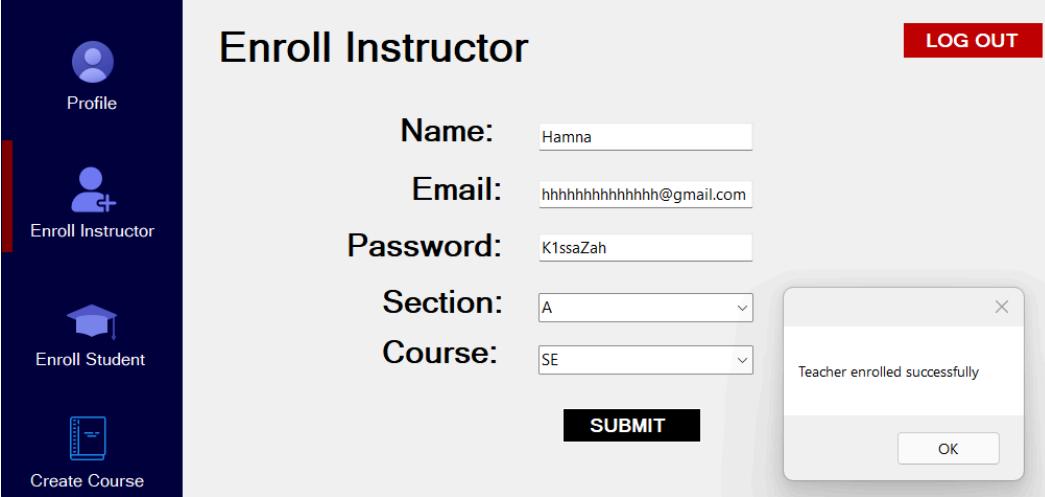
Test Case Id: 26	Tested Field: Name
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: Checking if the length of the name is 16 (exceeding max length)	
Description	Test the length of the name field in the EnrollTeacher
Operational Steps	<p>Enter “Kissa zahra kkjj” in name field Enter “Kissa123@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Name field can have max 15 characters so can not enroll”	
Screenshot/Actual Result	
 <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (which is selected and highlighted in red), Enroll Student, and Create Course. The main area has fields for Name, Email, Password, Section, and Course. The 'Name' field contains "kissa zahra kkjj". A modal dialog box is overlaid on the page, displaying the message "Name should not exceed 15 characters." with an "OK" button.</p>	
Test case result: PASSED	

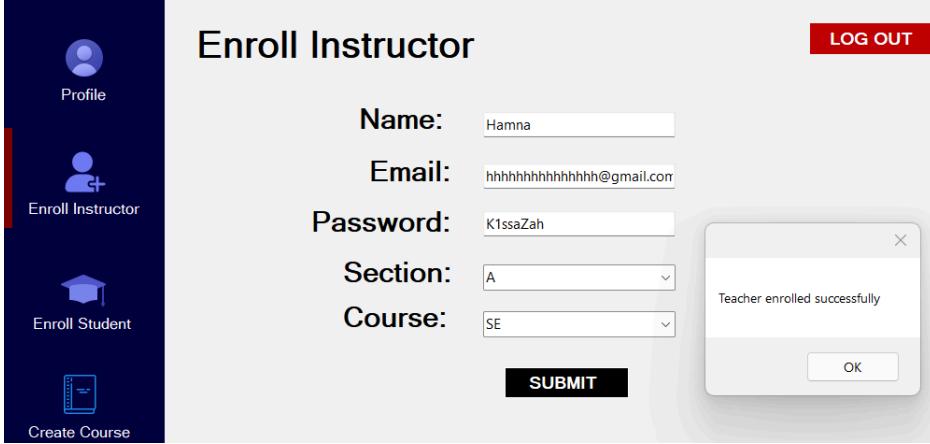
Email:

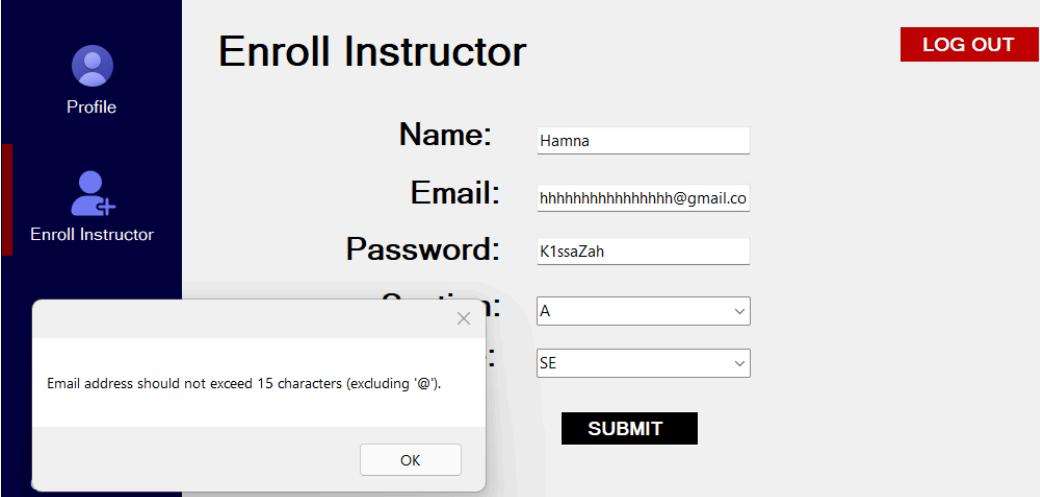
Test Case Id: 27	Tested Field: Email
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: Email contains 0 character before domain name	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	Enter “Hamna” in name field Enter “ @gmail.com ” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button
Expected Result A screen msg saying “Name field can have max 15 characters so can not enroll”	
<p style="text-align: center;">ScreenShot/Actual Result</p> <p>The screenshot shows the 'enrollTeacher' application window with the title 'Enroll Instructor'. On the left sidebar, there are three icons: 'Profile', 'Enroll Instructor' (which is selected), and 'Enroll Student'. The main form has fields for Name, Email, Password, Section, and Course, each with dropdown menus. The 'Email' field contains '@gmail.com'. A validation error message at the bottom left says: 'Invalid email address. There should be at least one character before the '@' symbol.' A modal dialog box at the bottom center displays the error message: 'login' only contains lower-case letters. The 'OK' button of the modal is highlighted.</p>	
Test case result: PASSED	

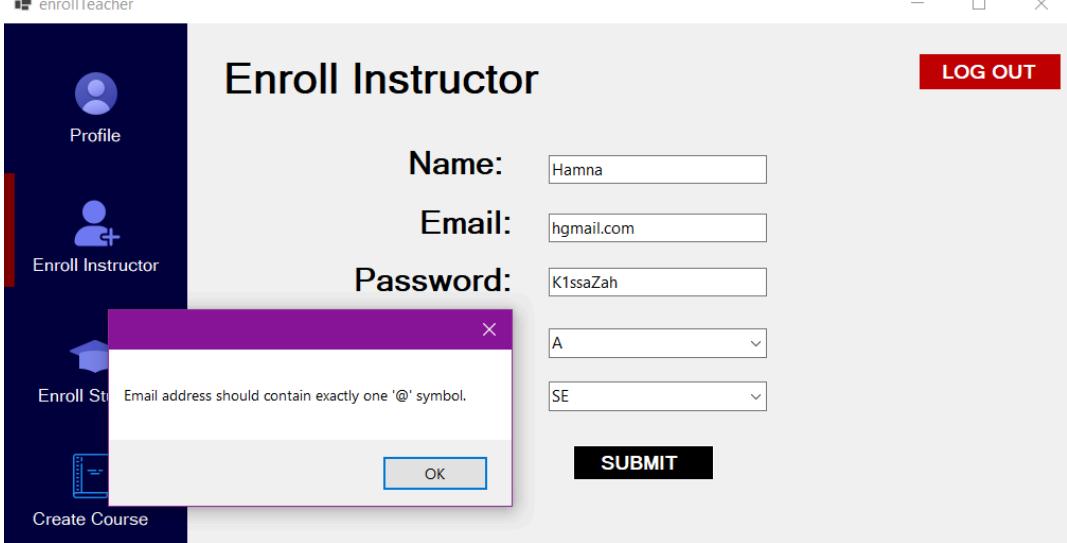
Test Case Id: 28	Tested Field: Email
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Email contains 2 character before domain name	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hh@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Email address format is correct ”	
ScreenShot/Actual Result	
 <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area has fields for Name (Hamna), Email (hh@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A modal window is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

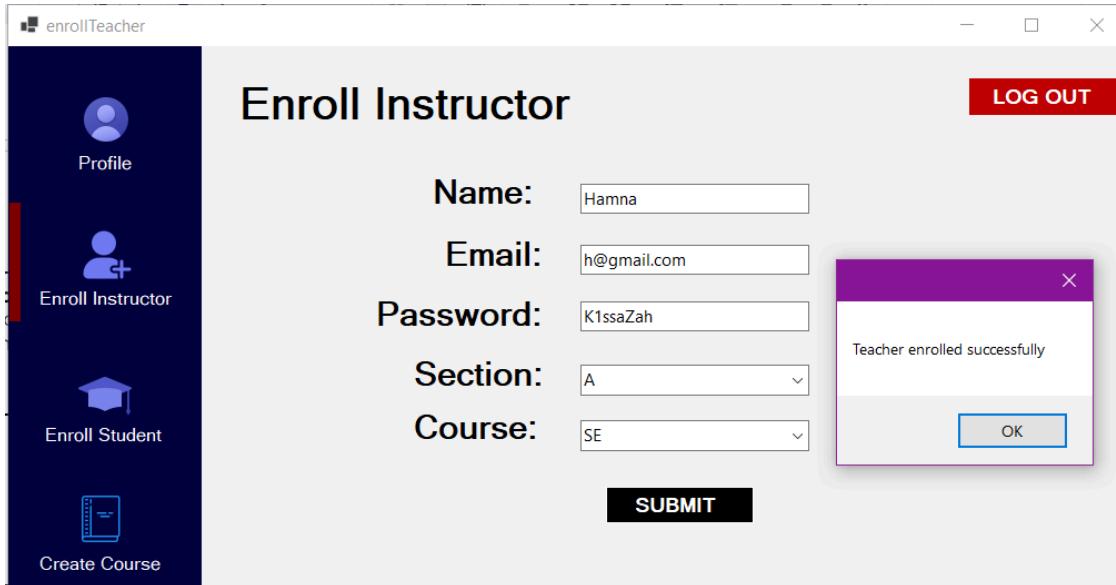
Test Case Id: 29	Tested Field: Email
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: Email contains 0 character before domain name	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “h@gmail.com” in email field Enter “KissaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Valid email”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area has fields for Name (Hamna), Email (h@gmail.com), Password (KissaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A purple confirmation dialog box is overlaid, stating 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 30	Tested Field: Email
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Email contains 14 character before domain name (max-1)	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hhhhhhhhhhhhhh@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Email address format is correct ”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (which is highlighted with a red bar), Enroll Student, and Create Course. The main area has fields for Name (Hamna), Email (hhhhhhhhhhhh@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A modal window is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

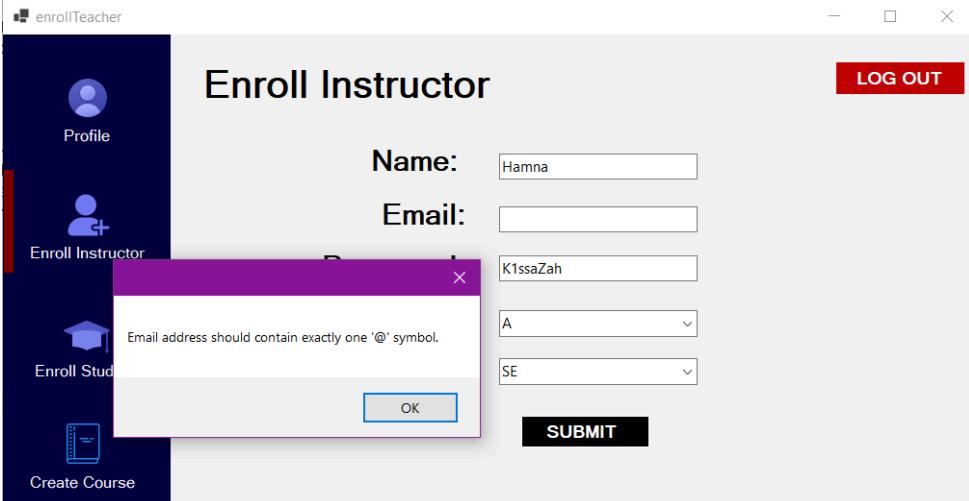
Test Case Id: 31	Tested Field: Email
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: Email contains 15 character before domain name (max)	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hhhhhhhhhhhhhhhh@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result	A screen msg saying “Email address format is correct”
ScreenShot/Actual Result	
 <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (which is selected), Enroll Student, and Create Course. The main area has fields for Name (Hamna), Email (hhhhhhhhhhhhhh@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A modal window is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 32	Tested Field: Email
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Email contains 16 character before domain name (max+1)	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hhhhhhhhhhhhhhhh@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Email address format is not correct. It should not be more than 15 characters. ”	
<p style="text-align: center;">ScrenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with 'Profile' and 'Enroll Instructor' options. The main area has fields for Name (Hamna), Email (hhhhhhhhhhhhhh@gmail.co), Password (K1ssaZah), Section (A), and Course (SE). A modal window is open, displaying the error message: "Email address should not exceed 15 characters (excluding '@').". Below the modal is an 'OK' button.</p>	
Test case result: PASSED	

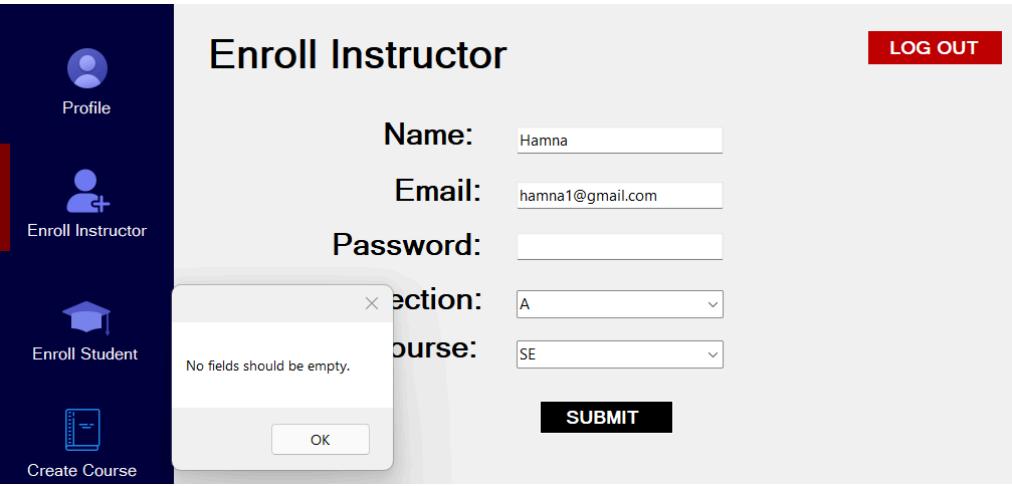
Test Case Id: 33	Tested Field: Email
Wrote By: Kissah Zahra	Documented Date: 21/04/2024
Title: Email contains no '@' symbol	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter "Hamna" in name field Enter "hgmail.com" in email field Enter "KissaZah" Choose "A" from section field Choose "SE" from course name field Press "Submit" Button</p>
Expected Result A screen msg saying "Email address format is incorrect. It should contain at least 1 '@'"	
ScreenShot/Actual Result	
 <p>The screenshot shows the 'enrollTeacher' application window. On the left, there's a sidebar with 'Profile', 'Enroll Instructor' (which is highlighted in red), 'Enroll Student', and 'Create Course'. The main area has a title 'Enroll Instructor' and fields for Name (Hamna), Email (hgmail.com), Password (KissaZah), Section (A), and Course (SE). A purple modal dialog box is displayed in the center, stating 'Email address should contain exactly one '@' symbol.' with an 'OK' button.</p>	
Test case result: PASSED	

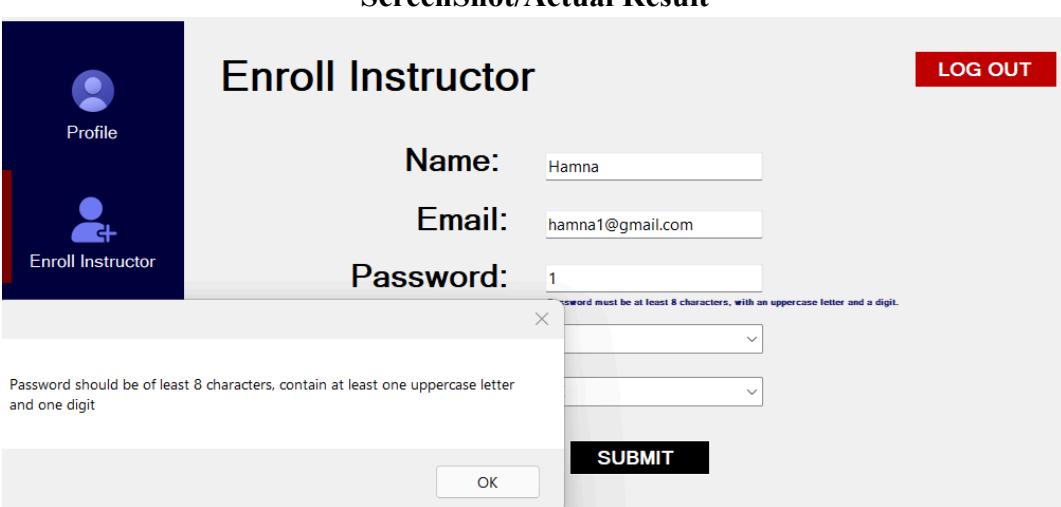
Test Case Id: 34	Tested Field: Email
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Email contains at only 1 '@' symbol	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter "Hamna" in name field Enter "h@gmail.com" in email field Enter "K1ssaZah" Choose "A" from section field Choose "SE" from course name field Press "Submit" Button</p>
Expected Result A screen msg saying "Teacher enrolled successfully"	
ScreenShot/Actual Result	
 <p>The screenshot shows the 'enrollTeacher' application interface. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area is titled 'Enroll Instructor'. It has fields for Name (Hamna), Email (h@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A purple modal window is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

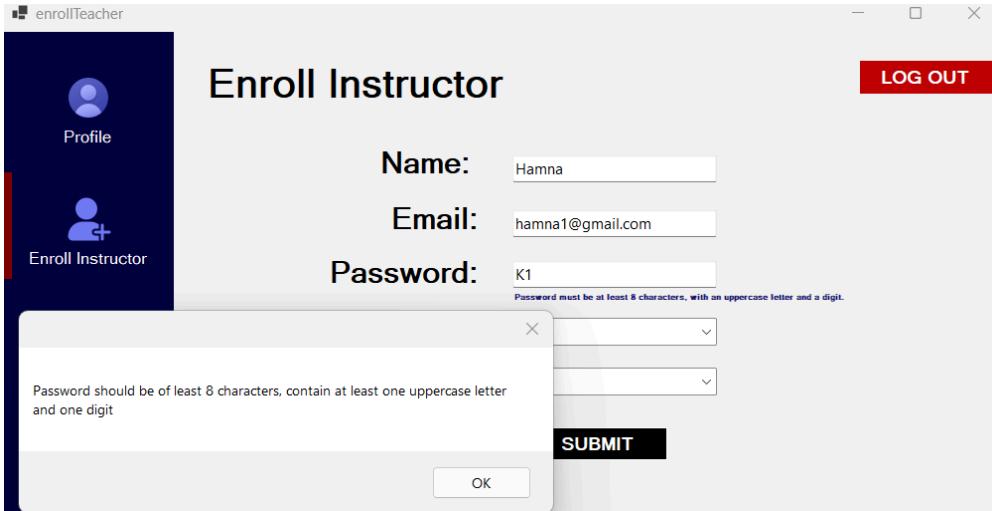
Test Case Id: 35	Tested Field: Email
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: Email contains multiple '@' symbols	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter "Hamna" in name field Enter "h@@@gmail.com" in email field Enter "KissaZah" Choose "A" from section field Choose "SE" from course name field Press "Submit" Button</p>
Expected Result A screen msg saying "Email address should only have 1 '@' symbol"	
<p style="text-align: center;">ScreenShot/Actual Result</p> <p>The screenshot shows a Windows application window titled "enrollTeacher". On the left is a sidebar with icons for "Profile", "Enroll Instructor" (which is selected), "Enroll Student", and "Create Course". The main area is titled "Enroll Instructor". It has fields for "Name" (Hamna), "Email" (h@@@gmail.com), "Section" (A), and "Course" (SE). A purple error dialog box is overlaid on the form, containing the text "Email address should contain exactly one '@' symbol." with an "OK" button.</p>	
Test case result: PASSED	

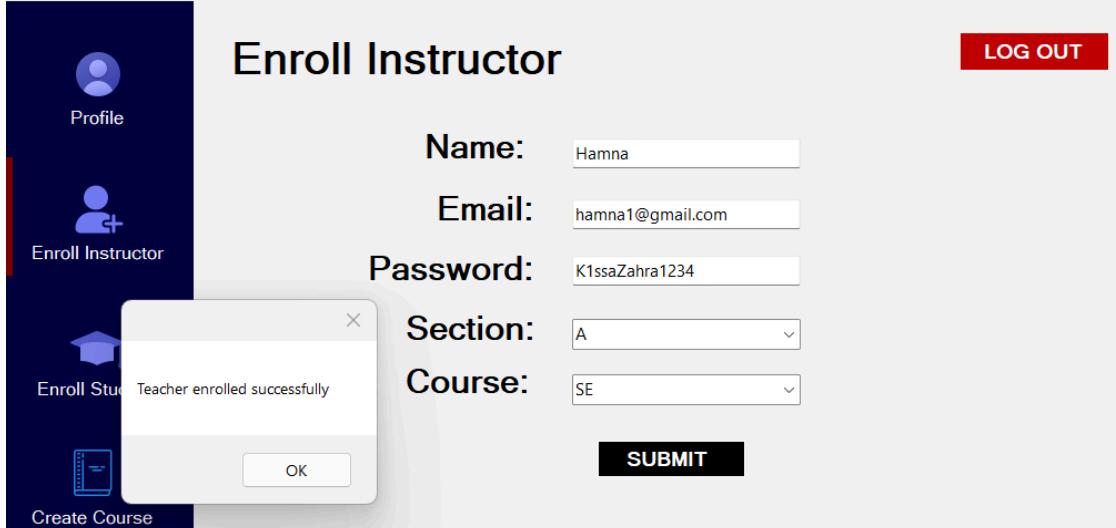
Test Case Id: 36	Tested Field: Email
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Email field is empty	
Description	Test the authentication of the Email Field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Email address field should not be empty”	
ScreenShot/Actual Result	
 <p>The screenshot shows the 'enrollTeacher' application window with the 'Enroll Instructor' form. On the left sidebar, there are icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main form has fields for Name (Hamna), Email (empty), Section (A), and Course (SE). A modal dialog box is displayed in the center, stating 'Email address should contain exactly one "@" symbol.' with an 'OK' button.</p>	
Test case result: PASSED	

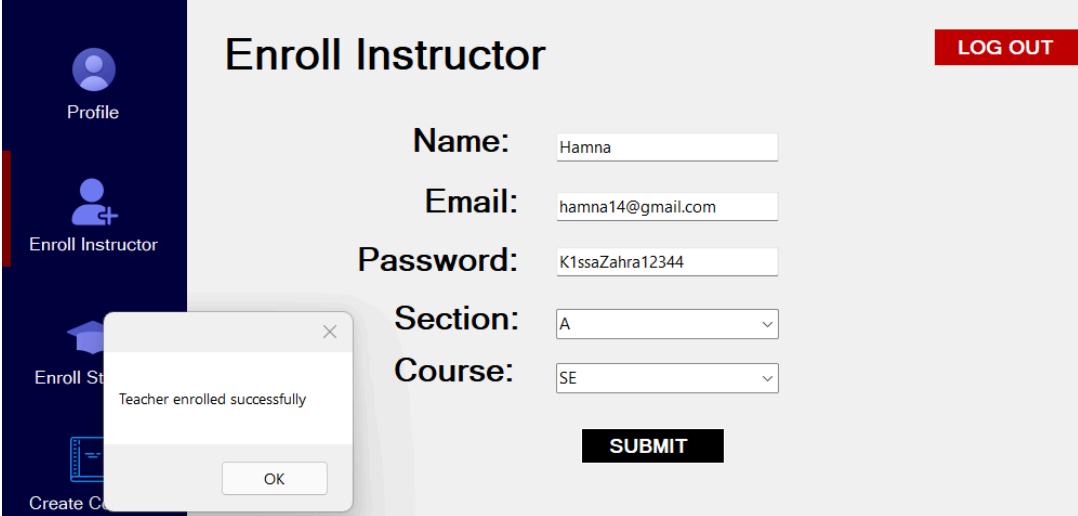
Password:

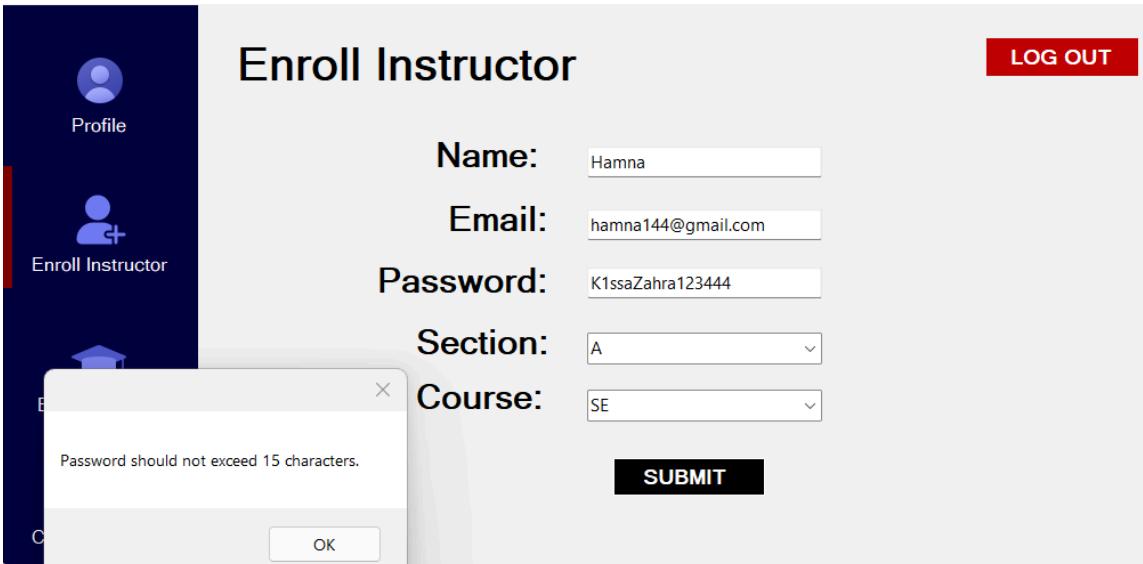
Test Case Id: 37	Tested Field: Password
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Password field is empty	
Description	Test the authentication of the password Field in the EnrollTeacher
Operational Steps	Enter "Hamna" in name field Enter "hamna1@gmail.com" in email field Enter "" Choose "A" from section field Choose "SE" from course name field Press "Submit" Button
Expected Result A screen msg saying "Password field should not be empty"	
ScrenShot/Actual Result 	
Test case result: PASSED	

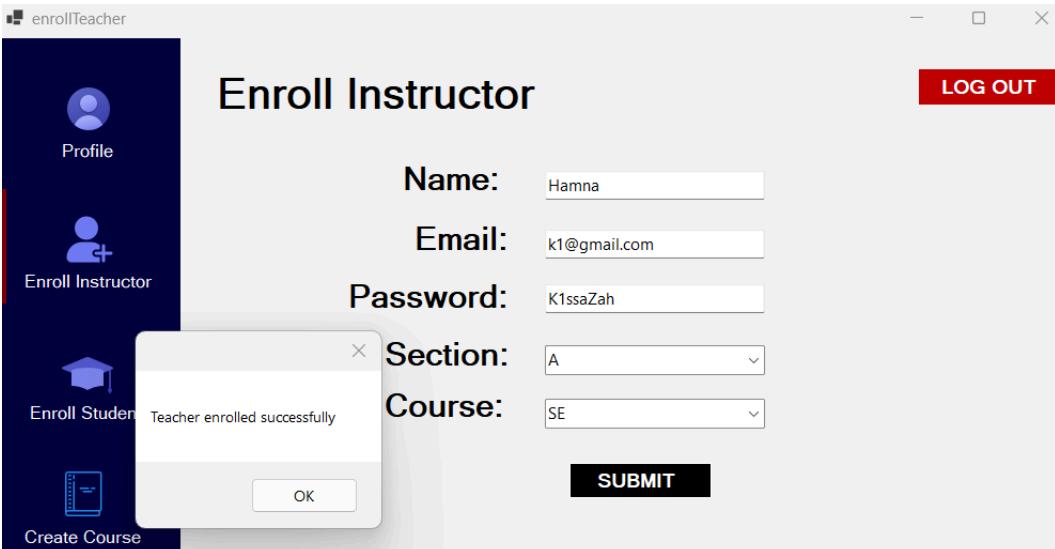
Test Case Id: 38	Tested Field: Password
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Password field have 1 character	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hamna1@gmail.com” in email field Enter “1” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Password should be of at least 8 character, 1 digit and 1 capital”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left sidebar, there are 'Profile' and 'Enroll Instructor' icons. The main form has fields for Name (Hamna), Email (hamna1@gmail.com), and Password (1). A tooltip message above the password field says: 'Password must be at least 8 characters, with an uppercase letter and a digit.' Below the form is a modal dialog with an OK button.</p>	
Test case result: PASSED	

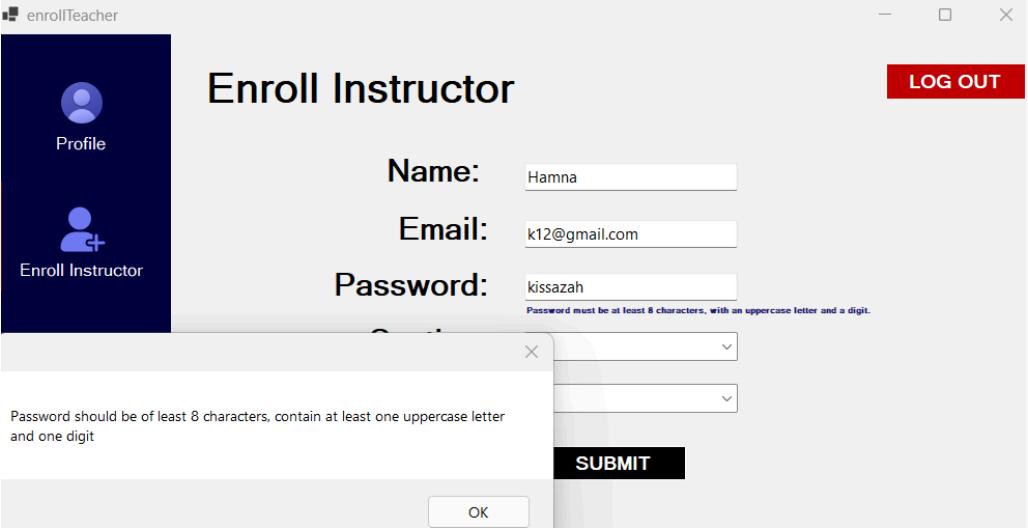
Test Case Id: 39	Tested Field: Password
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: Password field have 2 character	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hamna1@gmail.com” in email field Enter “K1” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Password should be of at least 8 character, 1 digit and 1 capital”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with 'Profile' and 'Enroll Instructor' buttons. The main area has fields for 'Name' (Hamna), 'Email' (hamna1@gmail.com), and 'Password' (K1). Below the password field is a message: 'Password must be at least 8 characters, with an uppercase letter and a digit.' A modal dialog box is open, displaying the same validation message: 'Password should be of least 8 characters, contain at least one uppercase letter and one digit.' It has 'OK' and 'SUBMIT' buttons.</p>	
Test case result: PASSED	

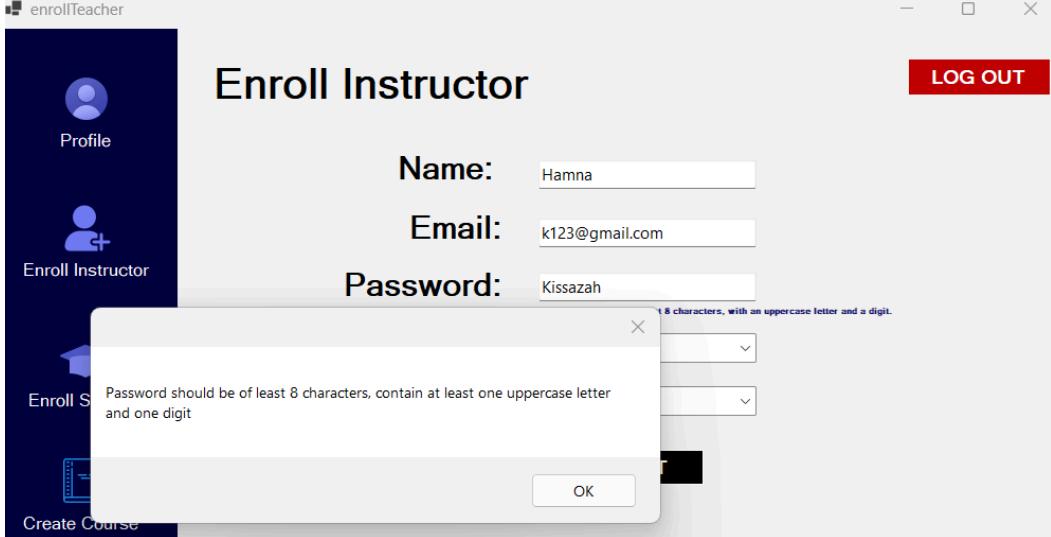
Test Case Id: 40	Tested Field: password
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Password field have 14 character (max -1)	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hamna1@gmail.com” in email field Enter “K1ssaZahra1234” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result	A screen msg saying “Valid password”
ScreenShot/Actual Result	
 <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in blue), Enroll Student, and Create Course. The main area has fields for Name (Hamna), Email (hamna1@gmail.com), Password (K1ssaZahra1234), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A modal window is open, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

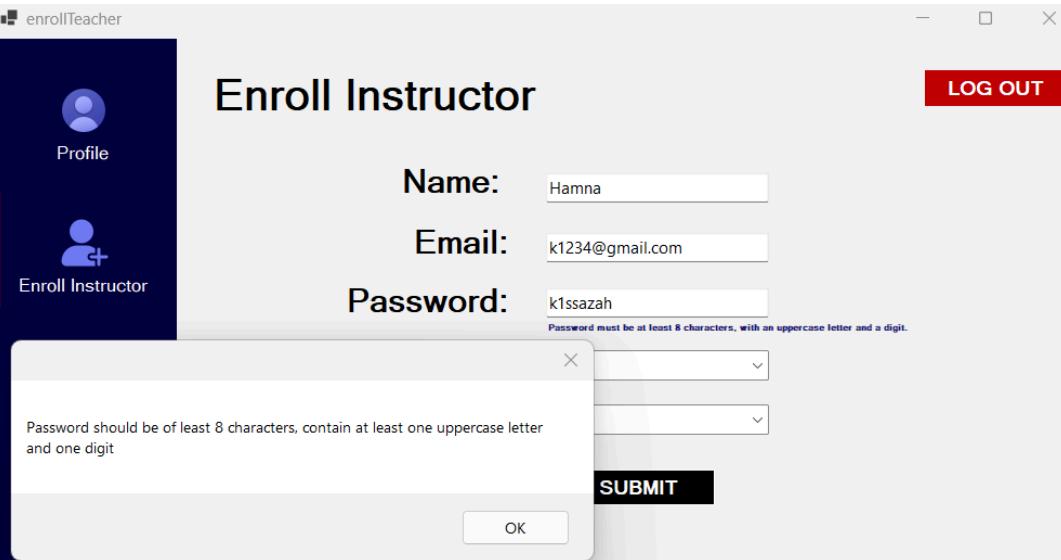
Test Case Id: 41	Tested Field: Password
Wrote By: Kissa Zahra	Documented Date: 21/04/2024
Title: Password field have 15 character (max)	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hamna14@gmail.com” in email field Enter “K1ssaZahra12344” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Valid password”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left sidebar, there are three buttons: 'Profile', 'Enroll Instructor' (which is highlighted in red), and 'Enroll Student'. The main area has fields for 'Name' (Hamna), 'Email' (hamna14@gmail.com), 'Password' (K1ssaZahra12344), 'Section' (A), and 'Course' (SE). A 'SUBMIT' button is at the bottom. A modal window is open in the center, displaying the message 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 42	Tested Field: Password
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Password field have 16 character (max +1)	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “hamna144@gmail.com” in email field Enter “K1ssaZahra123444” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Password should not exceed 15 characters ”	
ScreenShot/Actual Result  <p>The screenshot shows the 'Enroll Instructor' page. On the left sidebar, there are 'Profile' and 'Enroll Instructor' icons. The main form has fields for Name (Hamna), Email (hamna144@gmail.com), Password (K1ssaZahra123444), Section (A), and Course (SE). A modal window is open with the message 'Password should not exceed 15 characters.' with an 'OK' button.</p>	
Test case result: PASSED	

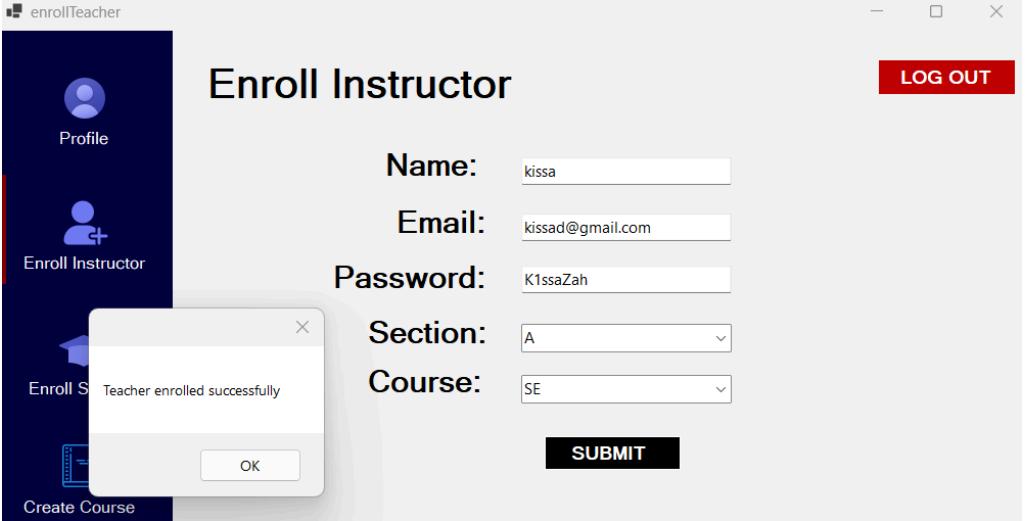
Test Case Id: 43	Tested Field: Password
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: Minimum length of password (8 characters) with at least 1 capital letter and 1 digit.	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “k1@gmail.com” in email field Enter “K1ssaZah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result	A screen msg saying “Valid Password ”
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'enrollTeacher' application window. On the left, there's a sidebar with icons for Profile, Enroll Instructor (highlighted in red), Enroll Student, and Create Course. The main area has a title 'Enroll Instructor'. On the right, there are input fields for Name (Hamna), Email (k1@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A 'SUBMIT' button is at the bottom. A modal dialog box is open, displaying 'Teacher enrolled successfully' with an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 44	Tested Field: Password
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: Password contains exactly 8 characters but without a capital letter or digit.	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “k12@gmail.com” in email field Enter “kissazah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Invalid Password. It should be of length ≥ 8 and should contain at least 1 capital and 1 digit.”	
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'enrollTeacher' application window titled 'Enroll Instructor'. On the left, there's a sidebar with 'Profile' and 'Enroll Instructor' icons. The main form has fields for 'Name' (Hamna), 'Email' (k12@gmail.com), and 'Password' (kissazah). Below the password field, an error message says: 'Password must be at least 8 characters, with an uppercase letter and a digit.' At the bottom, there's a 'SUBMIT' button and an 'OK' button for a modal dialog.</p>	
Test case result: PASSED	

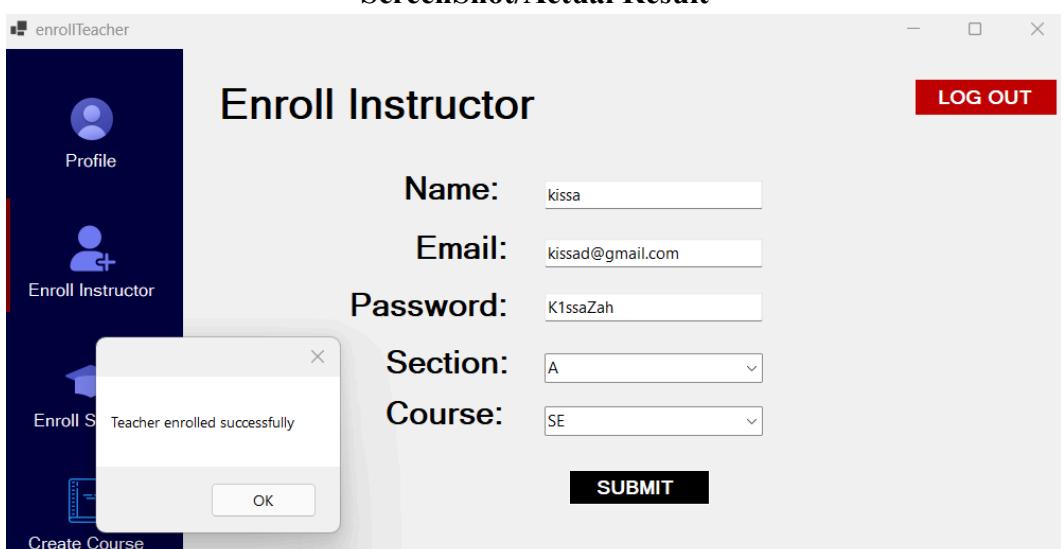
Test Case Id: 45	Tested Field: Password
Wrote By: Hamna Rizwan	Documented Date: 21/04/2024
Title: contains 8 characters but only with a capital letter and no digit.	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “k123@gmail.com” in email field Enter “Kissazah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result	A screen msg saying “Invalid Password. It should be of length ≥ 8 and should contain at least 1 capital and 1 digit.”
<p style="text-align: center;">ScreenShot/Actual Result</p>  <p>The screenshot shows the 'enrollTeacher' application window titled 'Enroll Instructor'. On the left sidebar, there are icons for 'Profile', 'Enroll Instructor' (selected), 'Enroll Student', and 'Create Course'. The main form has fields for 'Name' (Hamna), 'Email' (k123@gmail.com), and 'Password' (Kissazah). A modal dialog box is displayed, stating 'Password should be of least 8 characters, contain at least one uppercase letter and one digit.' with an 'OK' button.</p>	
Test case result: PASSED	

Test Case Id: 46	Tested Field: Password
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: contains 8 characters but only with a digit and no Capital.	
Description	Test the authentication of the password field in the EnrollTeacher
Operational Steps	<p>Enter “Hamna” in name field Enter “k1234@gmail.com” in email field Enter “k1ssazah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result <p>A screen msg saying “Invalid Password. It should be of length ≥ 8 and should contain at least 1 capital and 1 digit.”</p>	
<p style="text-align: center;">Screenshot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with 'Profile' and 'Enroll Instructor' options. The main area has fields for 'Name' (Hamna), 'Email' (k1234@gmail.com), and 'Password' (k1ssazah). A modal window is open over the password field, displaying an error message: 'Password must be at least 8 characters, with an uppercase letter and a digit.' Below the modal, a note says 'Password should be of least 8 characters, contain at least one uppercase letter and one digit.' There are 'OK' and 'SUBMIT' buttons at the bottom of the modal.</p>	
Test case result: PASSED	

Courses:

Test Case Id: 47	Tested Field: section
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: select any section from drop down	
Description	Test the drop-down menu of section
Operational Steps	<p>Enter “Hamna” in name field Enter “kissad@gmail.com” in email field Enter “k1ssazah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button</p>
Expected Result A screen msg saying “Valid selection of the section”	
<p style="text-align: center;">ScrenShot/Actual Result</p>  <p>The screenshot shows the 'Enroll Instructor' page. On the left, there's a sidebar with 'Profile', 'Enroll Instructor' (which is highlighted in red), 'Enroll Student', 'Create Course', and 'Logout'. The main area has fields for Name (kissa), Email (kissad@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A modal window in the center says 'Teacher enrolled successfully' with an 'OK' button. At the bottom right is a 'SUBMIT' button.</p>	
Test case result: PASSED	

Section:

Test Case Id: 48	Tested Field: course
Wrote By: Kiss Zahra	Documented Date: 21/04/2024
Title: select any course from drop down	
Description	Test the drop-down menu of course
Operational Steps	Enter “Hamna” in name field Enter “kissad@gmail.com” in email field Enter “k1ssazah” Choose “A” from section field Choose “SE” from course name field Press “Submit” Button
Expected Result A screen msg saying “valid selection of the course”	
ScreenShot/Actual Result  A screenshot of a web application titled "Enroll Instructor". On the left, there's a sidebar with "Profile", "Enroll Instructor" (which is highlighted in red), "Enroll Student", and "Create Course". The main area has fields for Name (kissa), Email (kissad@gmail.com), Password (K1ssaZah), Section (A), and Course (SE). A modal window in the center says "Teacher enrolled successfully" with an "OK" button. In the top right corner, there's a "LOG OUT" button.	
Test case result: PASSED	

Work Division between group members

Kissa Zahra	Hamna Sadia Rizwan	Muhammad Arham Akmal
User stories Activity Diagram Sequence Diagram Class Diagram Use case diagram Architecture Pattern Boundary Value Analysis Coding Powerpoint presentation Documentation	User stories Activity Diagram Sequence Diagram Class Diagram Use case diagram Architecture Pattern Boundary Value Analysis Coding Powerpoint presentation Documentation	User stories Activity Diagram Sequence Diagram Class Diagram Use case diagram Architecture Pattern Boundary Value Analysis Coding Powerpoint presentation Documentation

Lesson learnt

During this project, we discovered that there is more to developing good software than by simply writing good code. It includes deciding what the software needs to do and designing it well.

Clear communication enabled us to collaborate efficiently and avoid misunderstandings. Throughout this project we stayed on track by breaking down the project into smaller segments, assigning specific tasks and defining deadlines. Using tools such as Trello and GitHub made collaboration easier and made our work error free. Furthermore, we discovered that commenting on the code and well documentation made the overall project smoother and has allowed us to understand it more, and will hopefully allow others in the future as well.