

USER ACCEPTANCE TESTING

1.INTRODUCTION

- PROJECT OVERVIEW :

This Academix Portal – Course management system is developed using Django for backend with HTML , CSS , JavaScript and elements of bootstrap for frontend presentations . it facilitates online learning by allowing instructors to create courses and upload materials and interact with students and listen to their feedbacks.

- PURPOSE OF UAT (User Acceptance Testing) :

User Acceptance Testing is to ensure that the system meets both user's functional requirements and user experience expectations and at the same time being easy and intuitive to use.

2. UAT Objectives

To Verify the system's functionality, usability, and overall user experience.

Ensure compatibility across different browsers and devices.

3. ACCEPTANCE CRITERIA :

1. Secure registration and authentication with institutional email
2. Ability to view “My Profile” section where I can see and edit my personal information and can update if required.
3. Ability to enroll in a course as a student and view the course content.
4. Ability to offer my courses to students of different batches , also have the ability to view and edit the students in my course as a faculty member.
5. Ability to submit assignments , quizzes and the ability to interact with the faculty as a student.
6. Safe and secure login every time.
7. Data consistency and reliability.
8. Safe information , securely stored.
9. Proper Content management (ability to upload pdfs , video links and slides) as a faculty.
10. Should be easy to use and should have cross browser compatibility.
11. User use guides and proper webpages for error handling.

4. TEST SCOPE :

Course Creation and Management
User Registration and Management

Content Upload and Access
Assignment Submission and Feedback
Responsive Design and Cross-Browser Compatibility

5. TESTING :

Format:

TestCase ID :

Description :

Precondition :

TestSteps :

Expected Results :

Actual Results :

Pass/Fail Status :

Testing done on "Google Chrome Version 119.0.6045.159 (Official Build) (arm64)" running locally on machine having "Jetbrains Pycharm 2023.2.1(Professional Edition) Build #PY-232.9559.58, built on August 22, 2023"

TestCaseID : UAT_TC1

Description: Secure registration with valid DA-IICT institutional email

Precondition: Student or Faculty having Email with DA-IICT domain

TestSteps:

https://scribehow.com/shared/Registering_for_student_account_on_ACADEMIX_PORTAL_5A3uCgbjQEaVpafPcguTYw

Expected Results :

Registration Successful

Actual Results :

Registration Successful

Pass/Fail Status : PASS

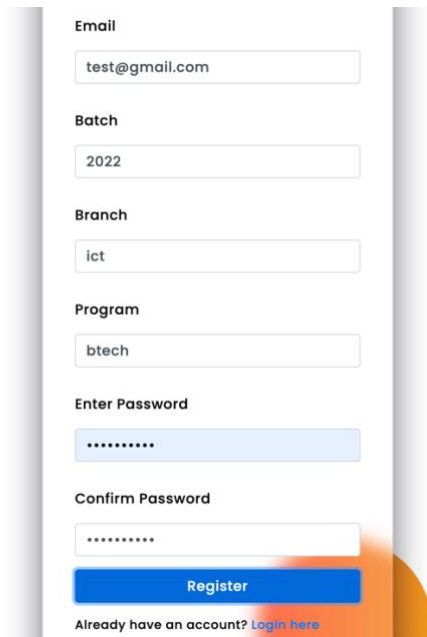
TestCaseID : UAT_TC2

Description: Secure registration with any email that is not DA-IICT

Precondition: Student or Faculty any Email ID

TestSteps:

Go to the Academix portal website , click on Student Login then click on register here , enter your name and details , click on Register button.



Email

Batch

Branch

Program

Enter Password

Confirm Password

[Register](#)

Already have an account? [Login here](#)

Expected Results :

Registration does not happen

Actual Results :

Registration button does not press or not getting pass registration stage

Pass/Fail Status : PASS

TestCaseID : UAT_TC3

Description: Secure Login

Precondition: Student or Faculty having Registered Email with DA-IICT domain

TestSteps:

https://scribehov.com/shared/Logging_in_to_the_ACADEMIX_PORTAL_BeVF1JtRgu4sXsyXVtB-g

Expected Results :

Logged in and showing dashboard

Actual Results :

Logged in and showing dashboard

Pass/Fail Status : PASS

TestCaseID : UAT_TC4

Description: Invalid Login attempt

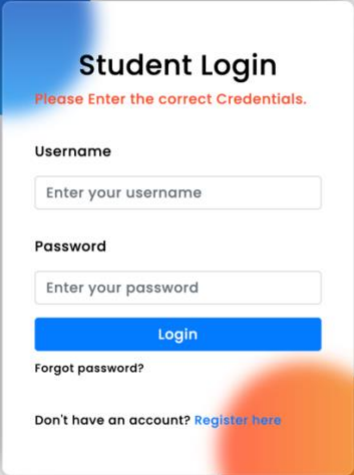
Precondition: anything on username and password field

TestSteps:

Go to the Academix portal website , click on Student Login then enter any random letters or numbers or any special characters on username and password field.

Expected Results :

Please enter correct credentials
Actual Results :
Not getting passed from login screen



Student Login

Please Enter the correct Credentials.

Username

Password

Login

[Forgot password?](#)

Don't have an account? [Register here](#)

Pass/Fail Status : PASS

TestCaseID : UAT_TC5

Description: Login with valid email but short invalid password

Precondition: valid institutional email


TestSteps:

Go to ACADEMIX PORTAL and login to student , now enter any valid email address and enter any password that is less than 8 characters

Expected Results :

Enter password greater than 8 characters

Actual Results :



Student Login

Please Enter the correct Credentials.

Password must be greater than 8 characters

Pass/Fail Status : PASS

TestCaseID : UAT_TC6

Description: Accessing or updating My Profile

Precondition: Student or Faculty with registered login credentials

TestSteps:

https://scribehow.com/shared/Visiting and Updating User Profile Information on ACAD EMIX PORTAL _iucZJXtJQ7OQgZh1-YPo9A

Expected Results :

Profile information getting updated

Actual Results :

Profile information updated

Pass/Fail Status : PASS

TestCaseID : UAT_TC7

Description: Course Enrollment as student

Precondition: Student or Faculty having Registered with proper credentials

TestSteps:

https://scribehow.com/shared/Enroll in any Course at ACADEMIX PORTAL _ClS389Tb6ZpbKljed1CwExpected

Results :

Enrolled in course and got notified about it

Actual Results :

One click enrollment and notified

Pass/Fail Status : PASS

TestCaseID : UAT_TC8

Description: View Course Content

Precondition : Student or Faculty having Registered with proper credentials

TestSteps:

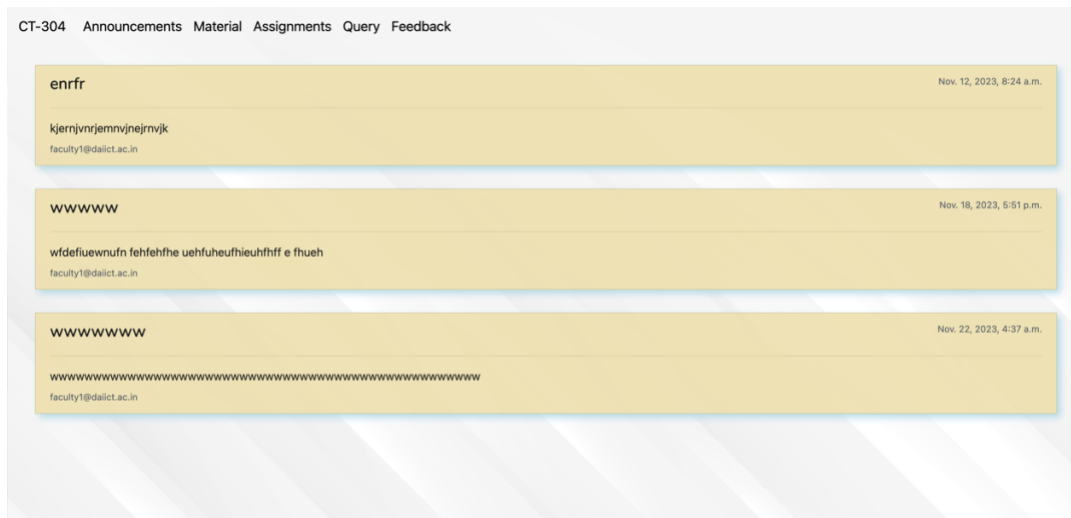
https://scribehow.com/shared/Enroll in any Course at ACADEMIX PORTAL _ClS389Tb6ZpbKljed1CwExpected

Expected Results :

Showing course content for enrolled course

Actual Results :

Showing course content for enrolled course



Pass/Fail Status : PASS

TestCaseID : UAT_TC9

Description: login as a faculty member and view/edit courses

Precondition: Faculty having proper credentials

TestSteps:

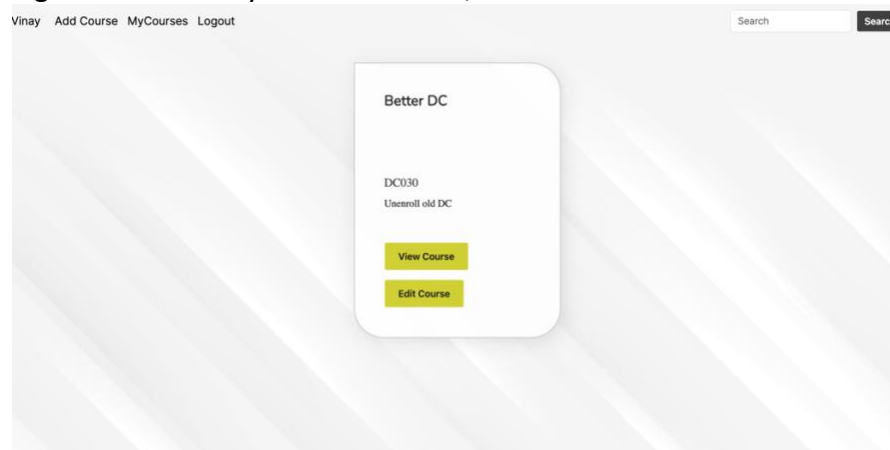
<https://scribehov.com/shared/How to Login as a faculty and edit course details e8EBqbgSR5edoAJJ8GgWuw>

Expected Results :

Signed in as faculty and able to see/edit the course

Actual Results :

Signed in as faculty and able to see/edit the course



Pass/Fail Status : PASS

TestCaseID : UAT_TC10

Description: Adding courses to My courses list

Precondition: Faculty having proper login credentials

TestSteps:

<https://scribehov.com/shared/Creating and Adding a Course to MyCourses in ACADEMIX PORTAL 7NRFS00IQpGx5JJipLSAzA>

Expected Results :

New course added to the dashboard of that faculty

Actual Results :

New course not added.

Pass/Fail Status : PASS

TestCaseID : UAT_TC11

Description: Assignment Submission

Precondition: Student logged in with any course/s enrolled and open to accept for submissions

TestSteps:

https://scribehov.com/shared/Submit_course_assignments_in_ACADEMIX_PORTAL_tDdSJo4xQ5me4jXBmenWdg

Expected Results :

Assignment submitted

Actual Results :

Assignment submitted

Pass/Fail Status : PASS

TestCaseID : UAT_TC12

Description: Interaction with the faculty of that course

Precondition: Student having logged in with proper credentials and enrolled in any course.

TestSteps:

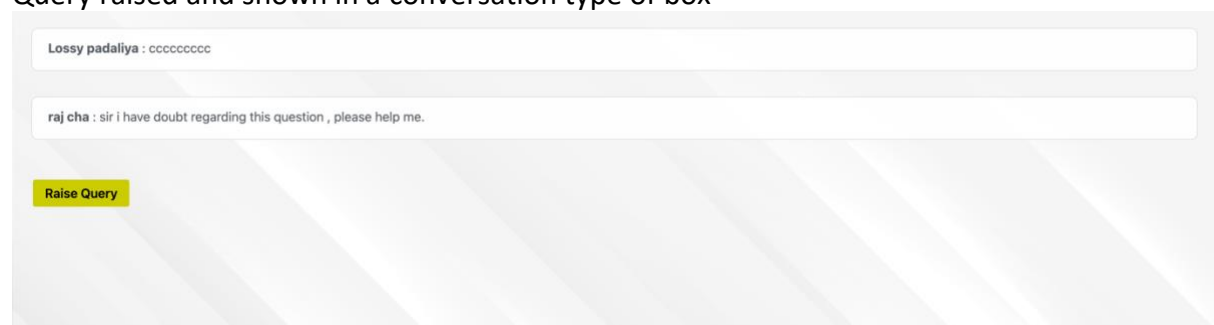
https://scribehov.com/shared/How_to_Submit_a_Query_for_any_course_in_ACADEMIX_PORTAL_-JoA7SMQR1GPw2QW1PdTFQ

Expected Results :

Query is raised to the respective course faculty

Actual Results :

Query raised and shown in a conversation type of box



The screenshot displays a web interface for submitting a query. It features a text input field at the top with the placeholder text "Lossy padaliya : ccccccccc". Below this is a text area containing the message "raj cha : sir i have doubt regarding this question , please help me.". At the bottom left of the interface is a yellow button labeled "Raise Query". The background of the interface has a light gray diagonal striped pattern.

Pass/Fail Status : PASS

TestCaseID : UAT_TC13

Description: Content upload by faculty

Precondition: Faculty with proper credentials and upload material.

TestSteps:

https://scribeshow.com/shared/How to Add Announcement and Study Material to a Course as a faculty in ACADEMIX PORTAL_WITRjOTZTBaXkJr7sBHZQ

Expected Results :

Materials are uploaded

Actual Results :

Materials are uploaded

Pass/Fail Status : PASS

TestCaseID : UAT_TC14

Description: Course Feedback for student.

Precondition: Student Registered Email with DA-IICT domain with password

TestSteps:

https://scribeshow.com/shared/How to give course feedbacks in ACADEMIX PORTAL_11Qo5ebbbQrykJLADtICapQ

Expected Results :

Feedback submitted successfully

Actual Results :

Feedback submitted successfully in an course

Pass/Fail Status : PASS

TestCaseID : UAT_TC15

Description: Seeing enrolled students in a particular course by a faculty.

Precondition: Faculty logged in with their credentials and providing a course and one or more student/s enrolled in that course.

TestSteps:

https://scribeshow.com/shared/View enrolled students in a particular course as a faculty in ACADEMIX PORTAL_rAMPPwhxT2qkhNoILY1YwA

Expected Results :

List of enrolled students

Actual Results :

Shows enrolled students and access to their individual profiles

Pass/Fail Status : PASS

TestCaseID : UAT_TC16

Description: Search for enrolled courses in academix portal as student.

Precondition: Logged in as a student with proper credentials and should be enrolled in that course whose name is being searched.

TestSteps:

https://scribeshow.com/shared/How to Search and View a Course on ACADEMIX PORTAL_UZo-SLyHTe-D-BwdqjeO-A

Expected Results :

Searched course is shown

Actual Results :

Searched course is shown on the dashboard



Pass/Fail Status : PASS

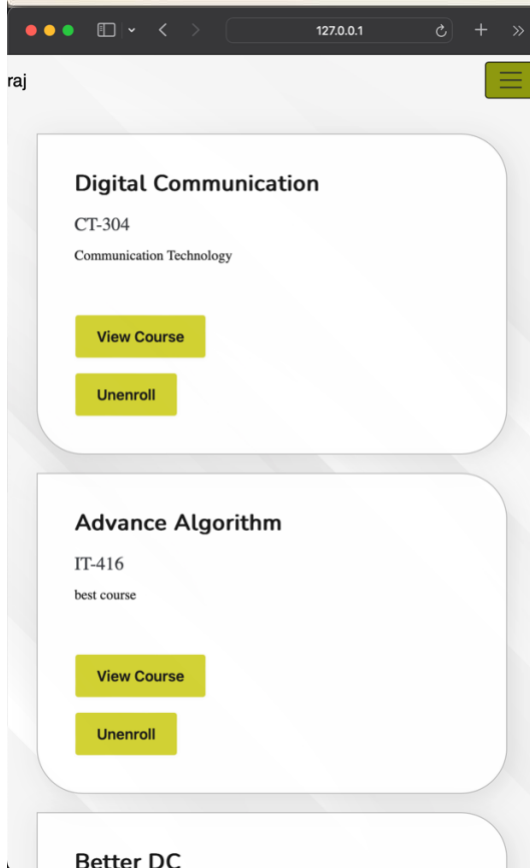
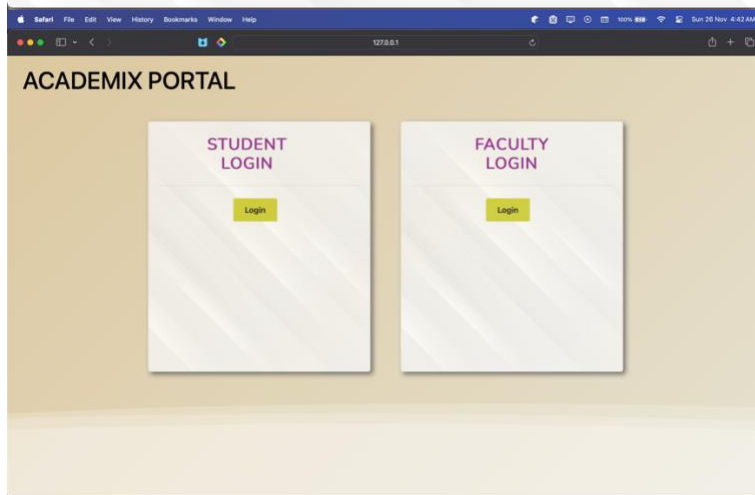
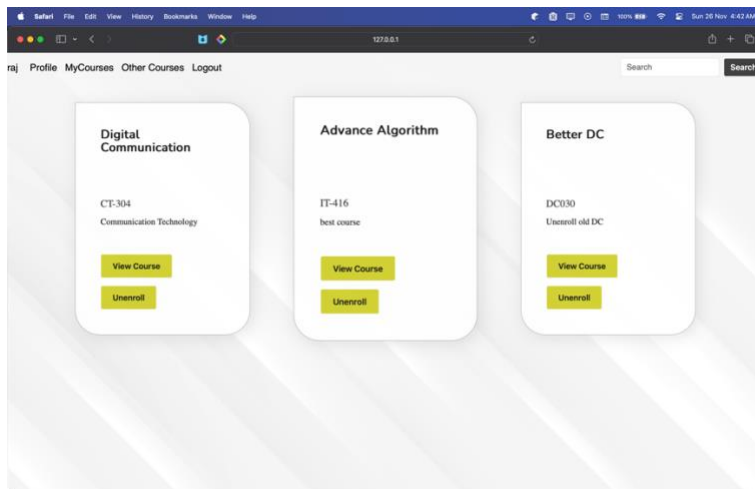
TestCaseID : UAT_TC17

Description: Cross Browser compatibility

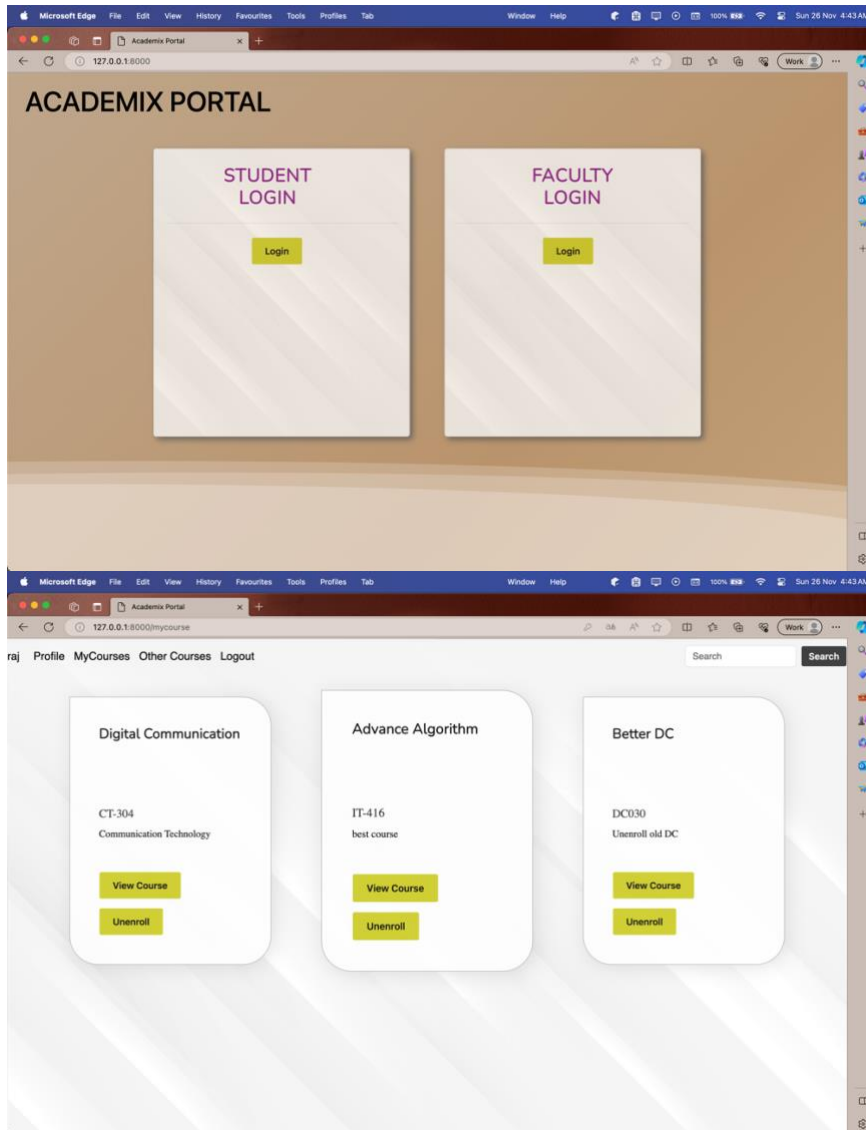
Precondition: Access to the browser and updated to the latest version

TestSteps:

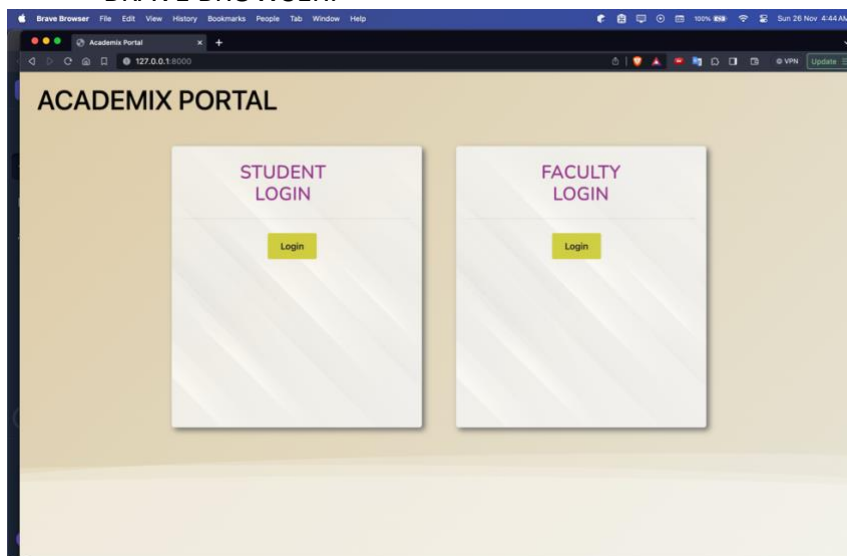
Checking in.. Safari...

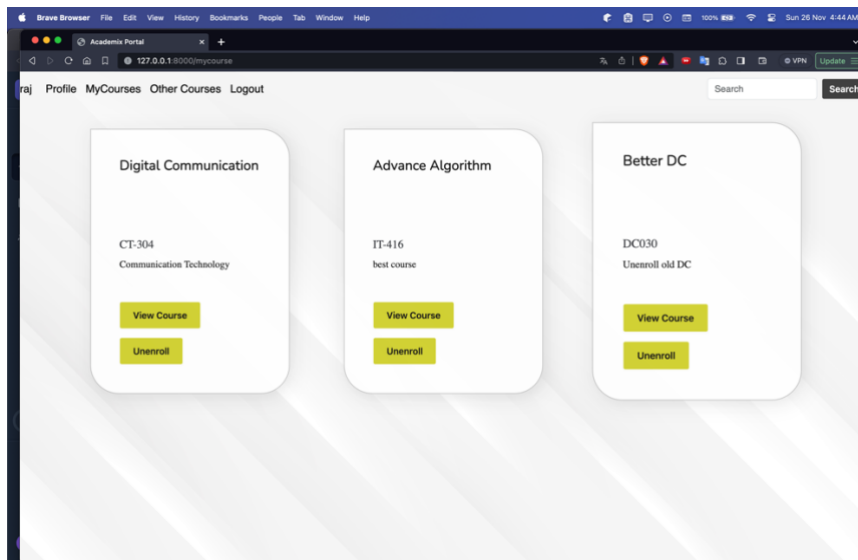


MICROSOFT EDGE:

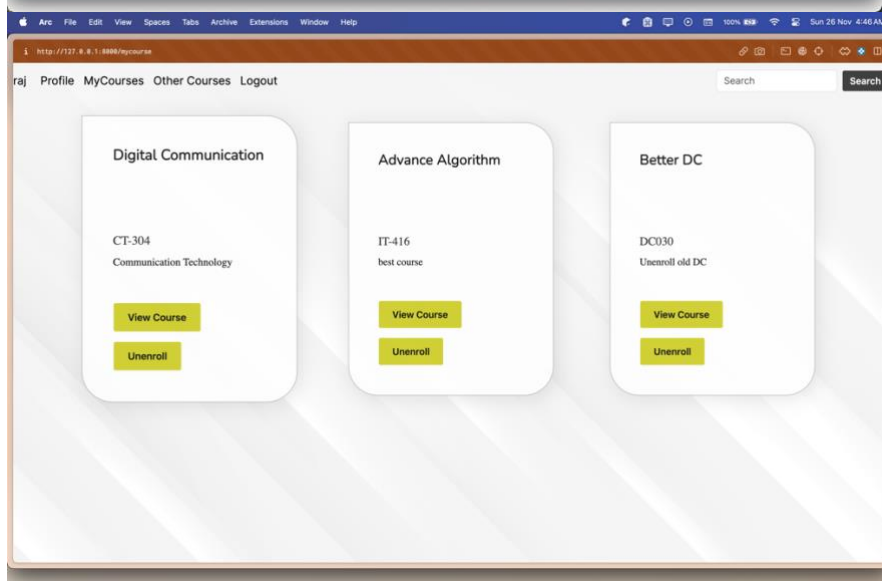
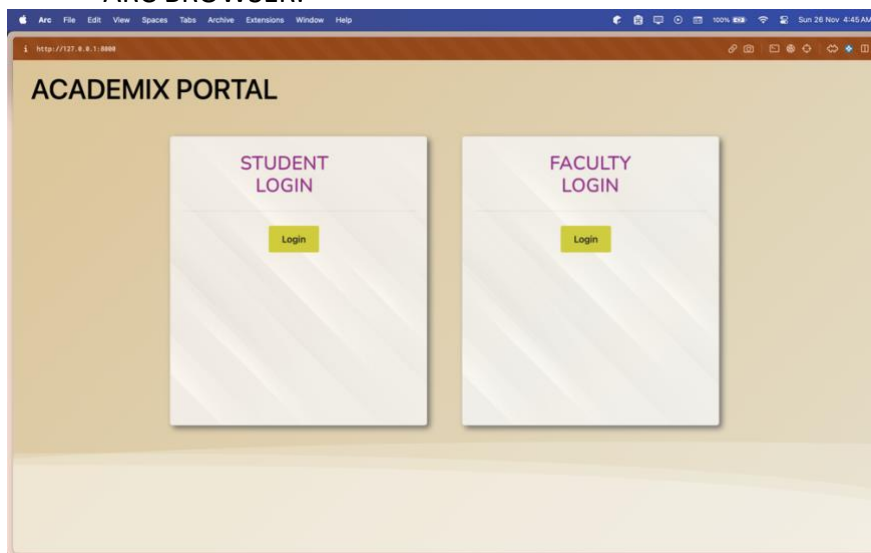


BRAVE BROWSER:





ARC BROWSER:



Expected Results :

Work flawlessly on every browser

Actual Results :

Works

Pass/Fail status : PASS

6. TEST CASE EXECUTION:

Based on the use of customer and the priority of the features to the customer , the test cases are executed manually and that too multiple times and in multiple platforms to ensure robustness of the system.

TEST DATA : Test login data and uploading materials information is completely complying with customer's use case and generated freshly to check the course management system site or the ACADEMIX PORTAL.

7. RISKS AND CONTINGENCIES :

- Data Privacy / uploaded material safety / user information safety
Solution : implemented an robust database which stores all the login information in SHA-256 Encryption at remote AWS server which is secure and reliable
- Performance Bottlenecks:
Solution : Hosting of the site on a reliable and fast server with faster loading times and very smooth performance on any device
- User Adoption: users may find it difficult to adapt to this new academix portal course management system affecting their willingness to participate in UAT
Solution : provide users with properly documented training and support resources which are easy to understand , intuitive and step by step , which listens to user's feedback.
- Security Incidents : any unwanted data breach at server or hacking attempt on site
Solution : constantly monitoring and improvement in security protocols and implementing high level of privacy and security.

7. EXIT CRITERIA :

When all the testcases are passed , then we can end the User Acceptance testing to meet customer's demand.

To end the UAT the exit criteria are as follows :

- Acceptance of UserStories
- User Documents Revised
- Performance and robustness goals met
- Security Requirements met
- User Training Resources available

- All critical defects resolved
- All the test cases executed properly.

All the above mentioned criteria are met properly and the site is ready for deployment and mass use, the site is reliable and meets user requirements before it goes live , no major bugs found.