



Advanced Web Engineering Component-2 Documentation

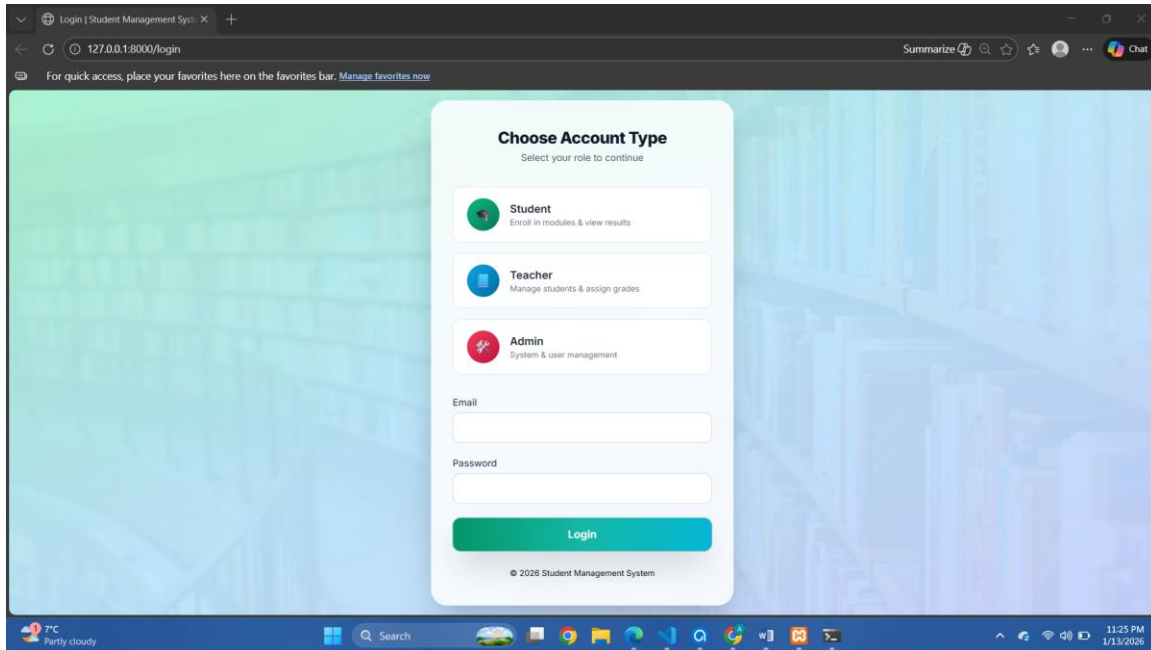
Student Name: Aastha Dhital

ID : c7466810

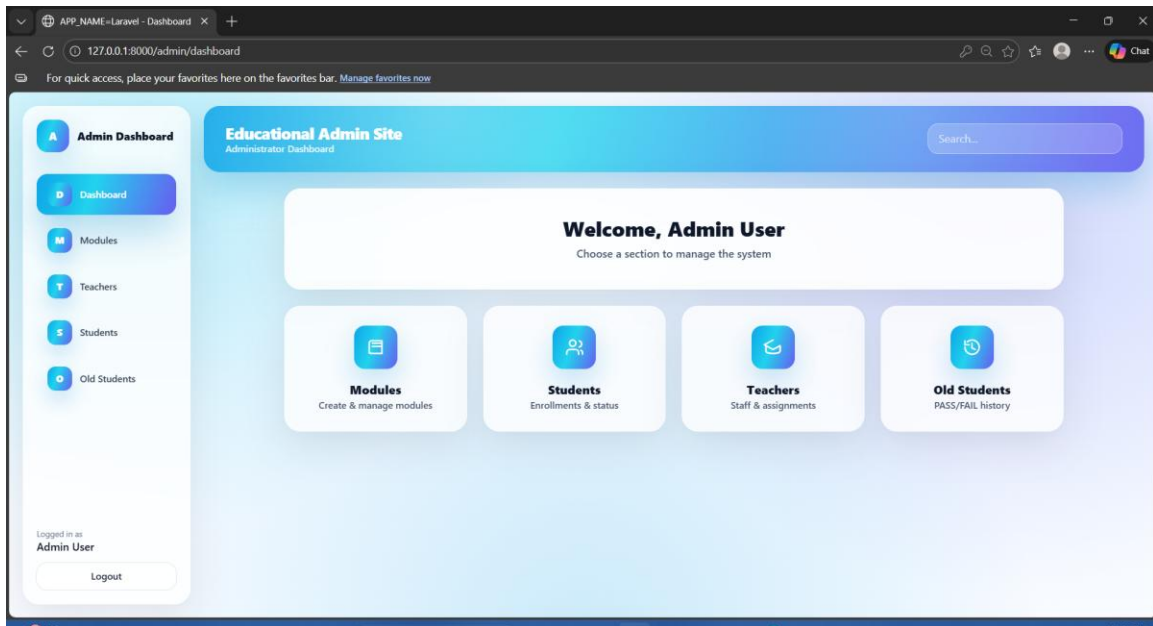
Group : 'C'

Screenshots of the UI

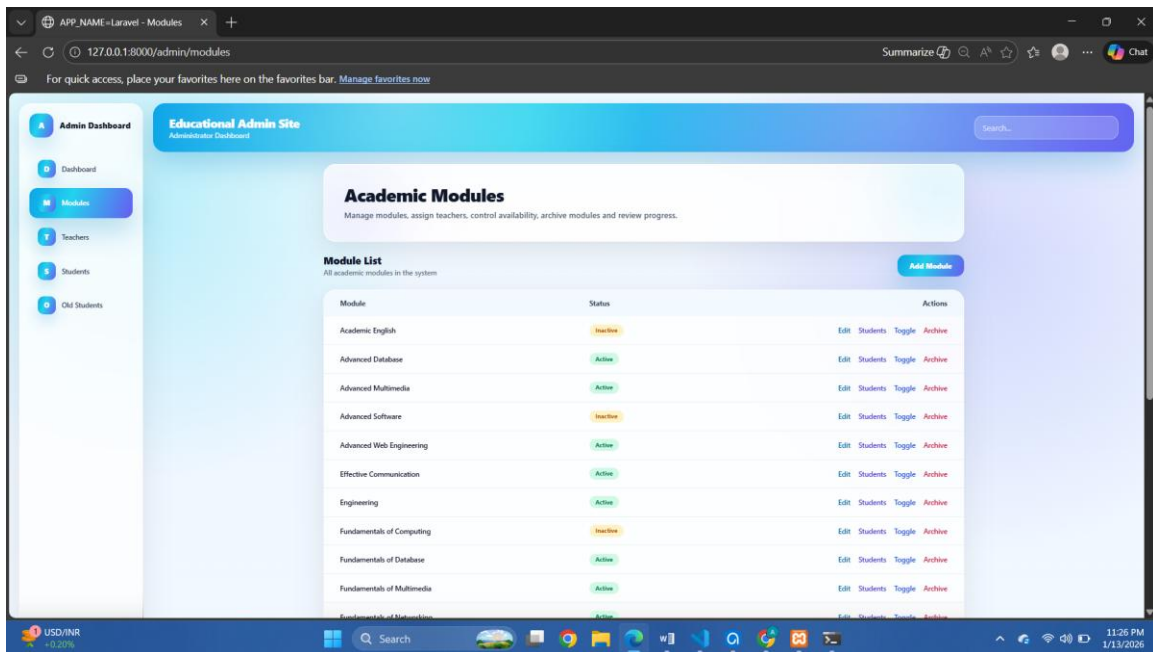
Login Page:



Admin Dashboard:



Admin's modules section:



Admin's teachers section:

The screenshot shows the 'Teachers' section of the 'Educational Admin Site'. The left sidebar contains navigation links: Admin Dashboard, Dashboard, Modules, Teachers (selected), Students, and Old Students. The main content area has a header 'Teachers' with a subtitle 'Manage teachers and view assigned modules' and an 'Add Teacher' button. Below this is a table listing teachers and their assigned modules.

Name	Email	Assigned Modules	Assigned Date	Actions
Aastha	aastha@gmail.com	Project Management, Internet of Things, Mobile Applications, Fundamentals of Networking, Fundamentals of Database, Fundamentals of Multimedia, Philosophy, Science, maths, Engineering, Mathematics	13 Jan 2026	Remove
Bhubuk	bhubuk@gmail.com	Fundamentals of Database, Fundamentals of Multimedia, Science, Engineering, Advanced Multimedia, Social Studies	13 Jan 2026	Remove
Grishma	grishma@gmail.com	Academic English, Philosophy, Science, maths, Engineering, Mathematics, Advanced Multimedia	13 Jan 2026	Remove
Naval	naval@gmail.com	Academic English, Internet of Things, Mobile Applications, Fundamentals of Networking, Fundamentals of Database, Philosophy, Science, Engineering, Advanced Multimedia, Social Studies	03 Jan 2026	Remove
Owngreen	green@gmail.com	Introduction to Programming, Fundamentals of Programming, Academic English, Project Management, Engineering	27 Dec 2025	Remove
Prithu	prithu@gmail.com	Introduction to Programming, Fundamentals of Programming, Advanced Database, Academic English, Project Management, Mobile Applications, Fundamentals of Database, Fundamentals of Multimedia, maths, Mathematics	27 Dec 2025	Remove

Admin's students section:

The screenshot shows the 'Students' section of the 'Educational Admin Site'. The left sidebar contains navigation links: Admin Dashboard, Dashboard, Modules, Teachers, Students (selected), and Old Students. The main content area has a header 'Students' with a subtitle 'Manage student accounts and enrollment status'. Below this is a table listing students and their enrollment status in various modules.

Name	Email	Enrollments	Role / Change Role
Binti	binti@gmail.com	Introduction to Programming (Enrolled: 04 Jan 2026) - PASS Internet of Things (Enrolled: 04 Jan 2026) - PASS Operating System (Enrolled: 04 Jan 2026) - In Progress	Student - Update Cannot change role while active modules exist
Darn Salvatore	darnon@gmail.com	Fundamentals of Networking (Enrolled: 01 Jan 2026) - PASS Introduction to Programming (Enrolled: 01 Jan 2026) - PASS Internet of Things (Enrolled: 01 Jan 2026) - PASS	Student - Update
Hari	hari@gmail.com	Advanced Database (Enrolled: 10 Jan 2026) - In Progress Effective Communication (Enrolled: 10 Jan 2026) - In Progress	Student - Update Cannot change role while active modules exist

Admin's old student's section:

The screenshot shows the 'Educational Admin Site' dashboard. On the left is a sidebar with navigation links: Admin Dashboard, Dashboard, Modules, Teachers, Students, and Old Students (highlighted). The main content area is titled 'Old Students' with the subtitle 'Students with completed modules (PASS / FAIL history)'. It contains a table with the following data:

Student	Completed Module	Completion Date	Result
Akumaha	Introduction to Programming	01 Jan 2026	PASS
Catarina has no completed modules			
Prayti	Introduction to Programming	13 Jan 2026	PASS
	Internet of Things	13 Jan 2026	PASS
	Fundamentals of Programming	13 Jan 2026	PASS
	Academic English	13 Jan 2026	PASS

At the bottom left, it says 'Signed in as Admin User' with a 'Logout' button. The bottom status bar shows 'USD/INR +3.20%', a search bar, and the time '11:27 PM 1/13/2026'.

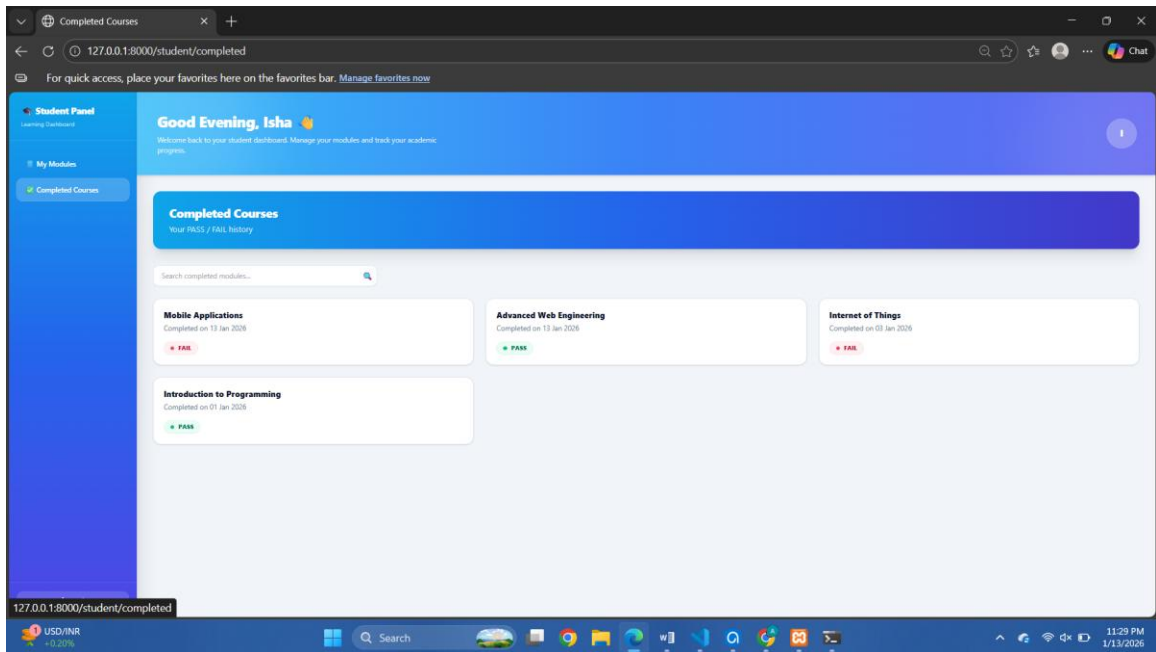
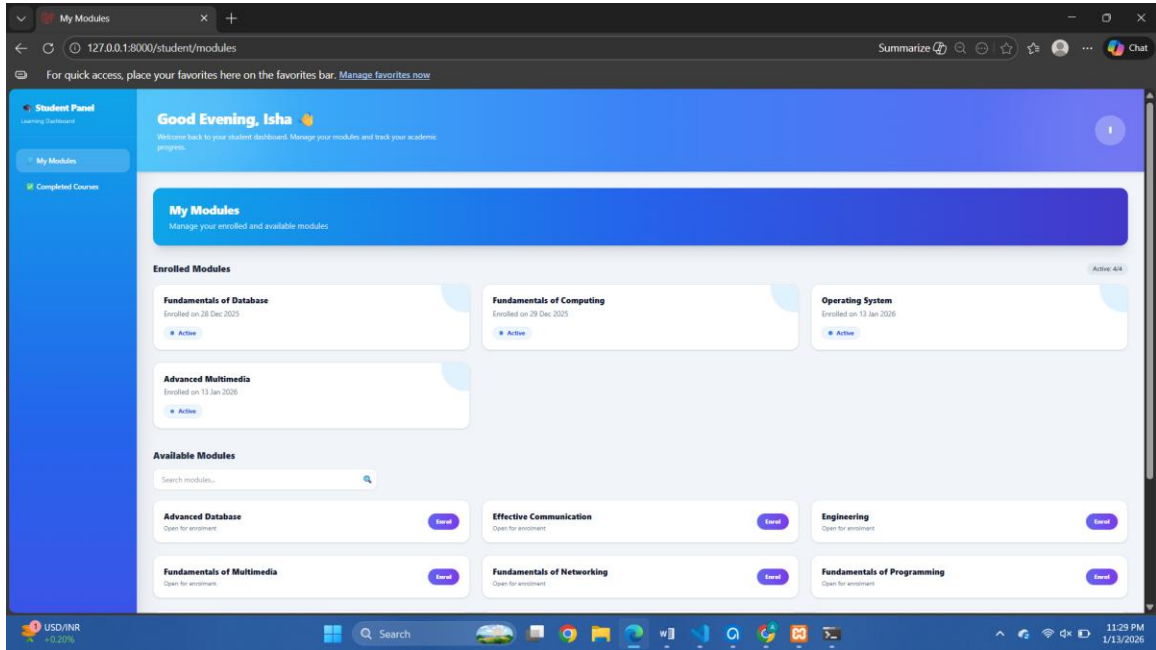
Student's Registration Form:

The screenshot shows the 'Student Registration' form. The title is 'Student Registration' with the subtitle 'Create your student account to get started'. The form fields are:

- Full Name (with a person icon)
- Email (with an '@' icon)
- Password (with a lock icon)
- Confirm Password (with a lock icon)

Below the fields is a green 'Create Account' button. At the bottom, it says 'Already have an account? Login here' and '© 2026 Student Management System'. The background is a blurred image of a library. The bottom status bar shows 'USD/INR +3.20%', a search bar, and the time '11:28 PM 1/13/2026'.

Student's dashboard:



Teacher's Dashboard:

The screenshot shows a web browser window with the URL `127.0.0.1:8000/teacher/modules`. The page features a blue sidebar on the left with a 'Teacher Panel' header and a 'My Modules' button. The main content area has a blue header with the text 'Good Evening, Rizzy' and a welcome message. Below this is a section titled 'My Assigned Modules' with a subtitle 'View modules assigned by admin and manage enrolled students'. The modules are displayed in a grid:

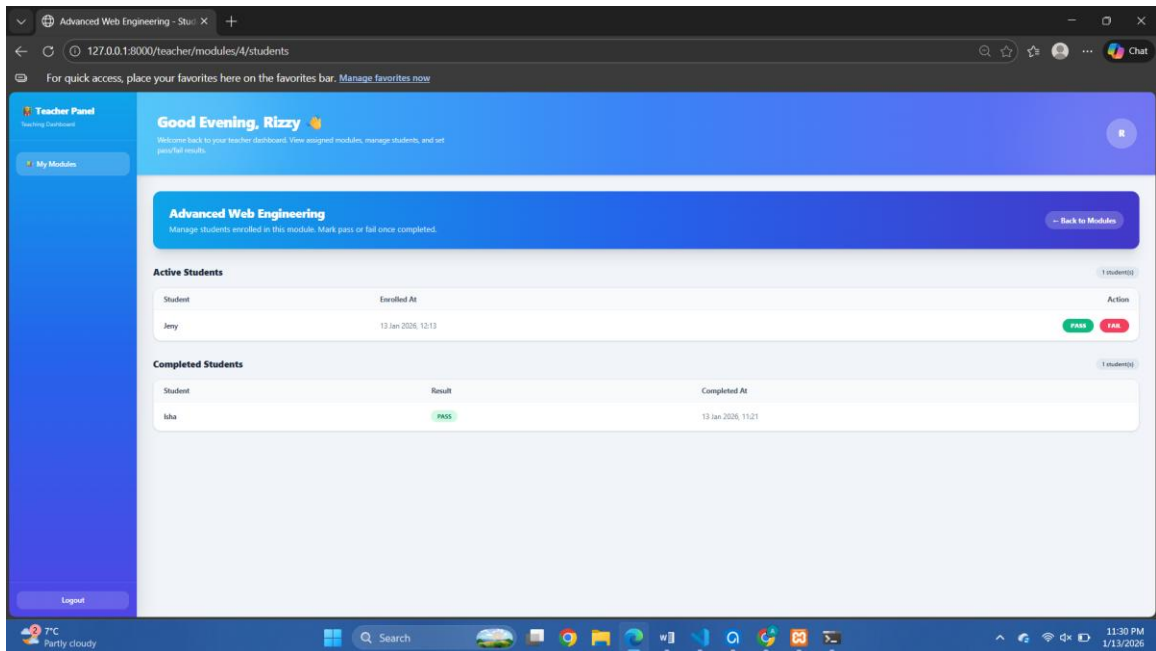
- Internet of Things**: View active & completed students. Active: 0. [Open](#)
- Introduction to Programming**: View active & completed students. Active: 0. [Open](#)
- Advanced Web Engineering**: View active & completed students. Active: 1. [Open](#)
- Advanced Database**: View active & completed students. Active: 1. [Open](#)
- maths**: View active & completed students. Active: 0. [Open](#)
- Mathematics**: View active & completed students. Active: 0. [Open](#)
- Social Studies**: View active & completed students. Active: 0. [Open](#)

A 'Logout' button is located at the bottom left of the sidebar. The Windows taskbar at the bottom shows the time as 11:30 PM on 1/13/2026.

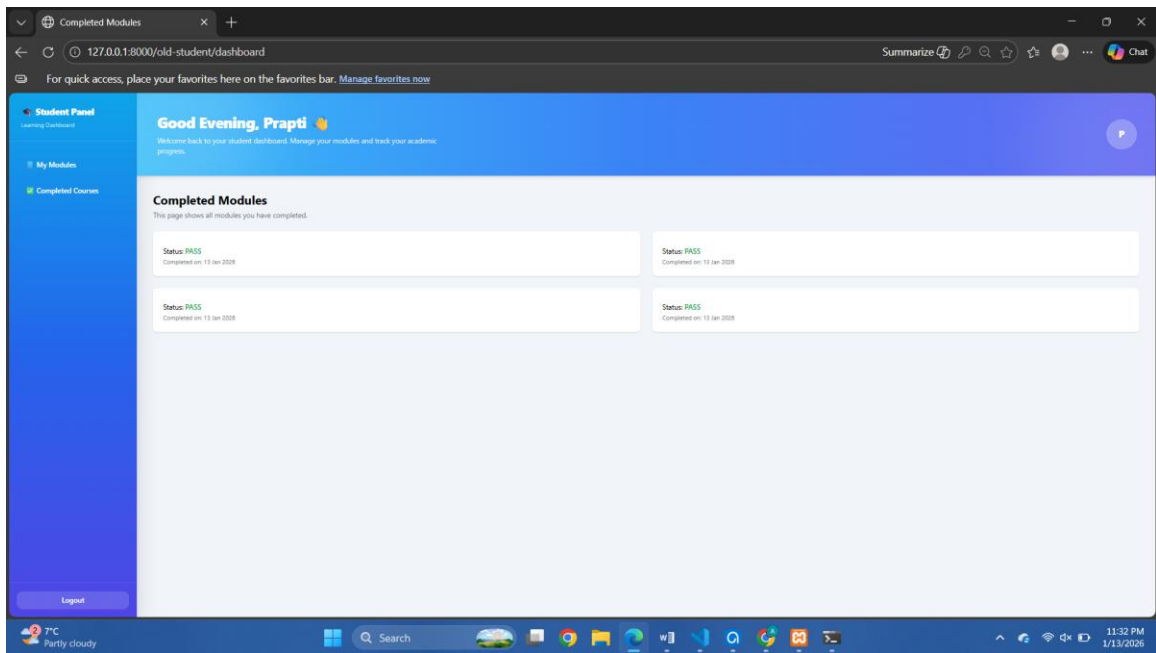
The screenshot shows the 'Internet of Things' student management page. The URL is `127.0.0.1:8000/teacher/modules/3/students`. The page has a blue sidebar with 'Teacher Panel' and 'My Modules'. The main content area has a blue header with 'Good Evening, Rizzy' and a 'Back to Modules' button. Below this is a section titled 'Internet of Things' with a subtitle 'Manage students enrolled in this module. Mark pass or fail once completed.' The 'Active Students' section shows 'No active students in this module.' The 'Completed Students' section shows a table with 7 students:

Student	Result	Completed At
Denn Salvatore	PASS	03 Jan 2026, 06:40
Shreejal	FAIL	30 Dec 2025, 01:06
Isha	FAIL	03 Jan 2026, 06:40
Prittu	PASS	03 Jan 2026, 06:40
Binti	FAIL	13 Jan 2026, 11:20
Prapti	PASS	13 Jan 2026, 11:20
Jany	PASS	13 Jan 2026, 13:37

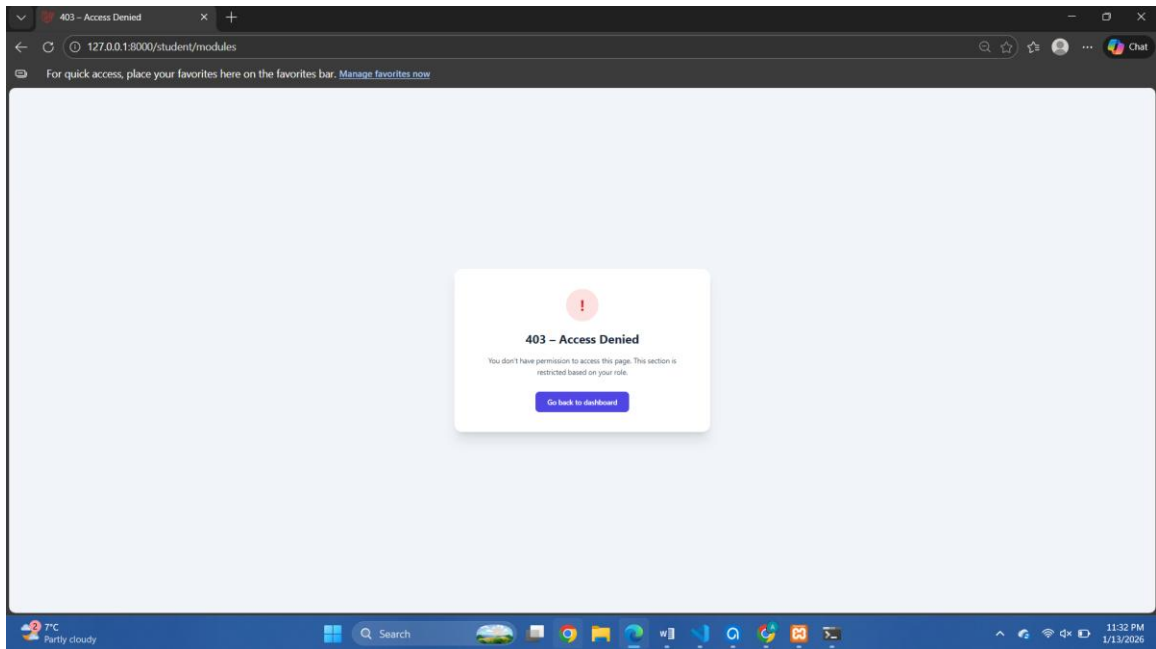
A 'Logout' button is located at the bottom left of the sidebar. The Windows taskbar at the bottom shows the time as 11:30 PM on 1/13/2026.



Old-student Dashboard



Forbidden when old student tries accessing the current modules page



Checklist:

Checklist: Aastha Dhital Student ID: 77466810		
Administrator Features	YES / NO	Timestamp:
Can add a new module	YES	created_at (modules table)
Can add and remove teachers	YES	created_at / deleted_at (users table)
Can remove students from a module	YES	enrolled_at removed (module_user pivot)
Can attach (assign) teacher to a module	YES	created_at (module_teacher pivot)
Can change the status of users to different roles	YES	updated_at (users table)
Can toggle modules to being available or unavailable	YES	updated_at (modules table)
Teacher Features		
Can view modules that they are assigned to	YES	created_at (module_teacher pivot)
Can view students that are attached to the module	YES	enrolled_at (module_user pivot)
Can set PASS / FAIL to students which will add a timestamp for when this is done	YES	completed_at (module_user pivot)
Student / Old Student		
Can register on the site	YES	created_at (users table)
Can enrol (actively study) a maximum of 4 modules	YES	enrolled_at (module_user pivot)
Can see a history of completed modules indicating PASS / FAIL	YES	completed_at (module_user pivot)
Can enrol on modules if not at the current maximum	YES	enrolled_at (module_user pivot)
OLD STUDENTS only see a list of completed modules with PASS / FAIL status	YES	completed_at (module_user pivot)
Modules		
Can have a maximum of 10 students enrolled - (this does not include students who have completed a module)	YES	enrolled_at (module_user pivot)
Archiving (making unavailable) does not delete the module - only makes new enrolments inactive	YES	updated_at (modules table)
Modules when undertaken should store a Student Start Date, Completion Date and PASS/FAIL	YES	enrolled_at / completed_at (module_user pivot)

Completed Tests:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\xampp\htdocs\component-2-laravel-project-aastha2dhital> npm run dev

→ APP_URL: http://localhost
PS C:\xampp\htdocs\component-2-laravel-project-aastha2dhital> php artisan test
● >>

PASS Tests\Feature\AdminRoleChangeProtectionTest
✓ admin can change role and active modules are removed

PASS Tests\Feature\Auth\AuthenticationTest
✓ login screen can be rendered
✓ users can authenticate using the login screen
✓ users can not authenticate with invalid password
✓ users can logout

PASS Tests\Feature\Auth\EmailVerificationTest
✓ email verification screen can be rendered
✓ email can be verified
✓ email is not verified with invalid hash

PASS Tests\Feature\Auth\PasswordConfirmationTest
✓ confirm password screen can be rendered
✓ password can be confirmed
✓ password is not confirmed with invalid password

PASS Tests\Feature\Auth\PasswordResetTest
✓ reset password link screen can be rendered
✓ reset password link can be requested
✓ reset password screen can be rendered
✓ password can be reset with valid token

PASS Tests\Feature\Auth\PasswordUpdateTest
✓ password can be updated
✓ correct password must be provided to update password
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\xampp\htdocs\component-2-laravel-project-aastha2dhital> php artisan test

>>

✓ password can be reset with valid token

PASS Tests\Feature\Auth\PasswordUpdateTest

✓ password can be updated

✓ correct password must be provided to update password

WARN Tests\Feature\Auth\RegistrationTest

✓ registration screen can be rendered

- new users can register → Registration is handled by a Livewire component, not a standard POST request.

PASS Tests\Feature\ExampleTest

✓ root redirects to dashboard

PASS Tests\Feature\ModuleCapacityTest

✓ module cannot exceed ten students

PASS Tests\Feature\OldStudentAccessTest

✓ old student cannot access student routes

PASS Tests\Feature\ProfileTest

✓ profile page is displayed

✓ profile information can be updated

✓ email verification status is unchanged when the email address is unchanged

✓ user can delete their account

✓ correct password must be provided to delete account

PASS Tests\Feature\StudentEnrollmentLimitTest

✓ student cannot enrol in more than four modules

Tests: **1 skipped**, **27 passed** (64 assertions)

Duration: 45.48s

PS C:\xampp\htdocs\component-2-laravel-project-aastha2dhital>