

## UI-tests

№	Test Name	Steps to Perform	Expected Result	Actual Result	Defect (if any)
1	Login form display	Open the main page	A form with fields for login and password is correctly displayed	Passed	—
2	Incorrect password message	Enter incorrect login or password	Red message "Incorrect login or password" appears	Passed	—
3	Main menu visibility	Log in to the system	Menu with items "Courses", "Assignments", "Profile" is visible	Passed	—
4	"Add Assignment" button visibility	Log in as a teacher and open the assignment page	"Add Assignment" button is visible and active	Passed	—
5	Student assignments view	Log in as a student and open the assignments page	Each assignment is displayed as a card or a table row	Passed	—
6	Home page responsiveness	Open the home page on a mobile device	All interface elements scale correctly and stay within screen boundaries	Passed	—
7	Consistent color scheme	Navigate through all pages	All pages share the same color scheme	Failed	The profile section has a different background color
8	Form field validation	Leave required fields empty and attempt to submit the form	Message "This field is required" appears	Passed	—
9	Grade display for student	Go to "Performance" section in the student profile	Grades are displayed in a table	Passed	—
10	Notification of new assignment	Log in as a student after a teacher creates a new assignment	Bell icon shows a new notification	Failed	Bell icon does not update on new assignment
11	Login page responsiveness	Open login page on mobile device	Interface scales properly for mobile screen	Failed	Buttons overflow the screen
12	Error message on wrong password	Enter valid login and wrong password	"Incorrect password" message appears	Failed	Message does not appear
13	Home page after login	Log in to the system	User is redirected to the home page	Passed	—

№	Test Name	Steps to Perform	Expected Result	Actual Result	Defect (if any)
14	"Save" button in course creation form	Open course creation form → Fill in fields → Click "Save"	Data is saved, user returns to the course list	Passed	—
15	Long course name display	Add a course with a very long name	Name is truncated with ellipsis or wrapped	Failed	Course name overflows the container
16	Active tab color	Switch to the "Assignments" tab	Active tab changes color or is underlined	Failed	No indicator for active tab
17	"Logout" button accessibility	Log in and locate the "Logout" button	Button is available in the top right corner	Passed	—
18	Group list visibility	Navigate to "Groups" section	A list with the number of students is displayed	Passed	—
19	Dark theme activation	Enable dark theme	All UI elements switch to dark colors	Failed	Some blocks remain white. Dark theme CSS is incomplete
20	"Clear Form" button	Open course creation form → Click "Clear"	All fields are cleared	Failed	"Course Name" field is not cleared
21	Student search functionality	Enter a name into the student search bar	Matching results are displayed	Passed	—
22	Course list pagination	Go to the course list (if >10 courses)	Pagination controls are displayed	Passed	—
23	"Back" button in form	Open edit form → Click "Back"	User returns to the previous page	Passed	—
24	Uploading PDF files	Student uploads a PDF file to an assignment	File is successfully attached	Passed	—
25	Dropdown selection functionality	Select a value in "Evaluation Type" dropdown	List opens and option can be selected	Passed	—
26	File size limit enforcement	Upload a file larger than 10MB	System warns about exceeding size limit	Failed	Missing file size validator
27	Invalid characters in course name	Create course with symbols like !@#\$\$%^	Message about invalid characters appears	Failed	No special character validation

## Functional tests

№	Test Name	Action	Input Data	Expected Result	Actual Result	Defect (if any)
1	Account Registration	User creates a new account	Full name, email, password	Account is created	Passed	—
2	User Login	User logs in with valid credentials	Email, password	Login successful	Passed	—
3	Assign Student to Group	Admin assigns a student to a group	Student fullname, Group name	Student assigned to group	Passed	—
4	Delete Assignment	Teacher deletes an existing assignment	Existing assignment	Assignment deleted	Passed	—
5	Upload Homework	Student uploads a file	File (.pdf)	File is saved	Passed	—
6	Grade Assignment	Teacher gives a grade	Assignment, grade	Grade is saved	Passed	—
7	Comment on Assignment	Teacher leaves a comment	Comment text	Comment added	Passed	—
8	Redirect to login page	User tries to access courses page unauthenticated	url/courses	Redirected to login page	Passed	—
9	Assignment Notification	Student receives notification of new assignment	New assignment	Notification shown	Failed	No notification
10	Edit Assignment	Teacher edits assignment deadline	New date	Date updated	Failed	Editing not working
11	Grade Notification	Student sees notification about grade	Grade assigned	Notification displayed	Failed	Missing notifications
12	Filter Assignments	Student filters assignments by date	Selected date	Relevant assignments shown	Passed	—
13	Change Password	User updates password	email + new password	Password changed	Failed	Forgot password button doesn't work
14	Logout Button	User logs out of the account	Click "Logout"	User logged out	Passed	—
15	Edit email	User updates their email	New email	Email updated	Passed	—

<b>№</b>	<b>Test Name</b>	<b>Action</b>	<b>Input Data</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Defect (if any)</b>
16	Deadline Reminder	Student receives a reminder about upcoming deadline	Upcoming deadline	Reminder received	Failed	Missing reminder
17	Filter by Completion Status	Student filters completed assignments	Filter: completed	Completed assignments shown	Passed	—
18	Upload Multiple Files	Student uploads multiple files	.pdf, .docx	All files uploaded	Passed	—
19	File Format Restriction	User uploads invalid file format	.exe file	File rejected	Failed	No file format validation
20	Average Score Calculation	Average of grades for semester	Grades	Average score shown	Passed	—
21	404 Error Page	Open unknown URL	url/unknown	404 page shown	Passed	—
22	Reply to Comment	Student replies to a teacher's comment	Reply text	Reply displayed	Passed	—
23	Submission Date Logging	Automatically record submission date	Task submitted	Date displayed	Failed	Submission date not saved
24	Grade list sorting	Click the "Grade" column header	List of grades	List sorts in ascending/descending order	Failed	JS function does not handle click
25	Course messages visibility	Teacher sends a message in the course chat	Message text	Students see the message in chat	Passed	—