

Group6 Acceptance Test Plan

Plan an Acceptance Testing: Conduct an acceptance test based on specified requirements and report your findings. A formal report that lists acceptance tests plan

Task 3: Acceptance Testing (You do not need to conduct the actual test just PLAN)

1. Define Acceptance Criteria: Review the original project requirements and any additional specifications you

have established with your team. Use these to create a list of acceptance criteria, which will serve as the

benchmark for testing.

2. Design Acceptance Tests: Develop a set of acceptance tests (or user acceptance tests) that validate each of

the core functionalities and requirements of your project. This can include:

- Functional tests (testing core features and interactions)
- Usability tests (ensuring that the user interface is intuitive)
- Performance tests (verifying response times and efficiency)
- Conduct Testing: Run your acceptance tests, documenting each test and its results in a test report.

1. Acceptance Criteria

User Authentication and Profile Management

- Users can register with email, password, and role selection
- Users can log in with valid credentials
- Users can view and edit their profile information
- Users can log out of the system

Study Material Management

- Users can upload study materials with title, description, and file
- Users can download study materials
- Users can search for materials by title, description, or tags
- Users can view material details including preview images
- Users can rate materials on a 1-5 scale
- Users can write and read reviews for materials

Course/Category Management

- Teachers can create and manage categories
- Teachers can approve or reject materials in their categories
- Students can view approved materials within categories

Localization and Internationalization

- UI elements display in the user's selected language
- Reviews can be translated to the user's preferred language
- The system supports at least 4 languages (English, Finnish, Russian, Chinese)

Permission System

- Users can only perform actions they have permission for
- Teachers can only manage their own categories and materials

2. Acceptance Tests

Functional tests

User Authentication Tests

Test description	Test steps	Expected Result
User registration	<ul style="list-style-type: none">• Navigate to signup page• Enter email, first name, last name, password, password confirmation• Select role(Student)• Click signup button	Account is created successfully and user is redirected to login page
User Login	<ul style="list-style-type: none">• On login page enter valid email and password• Click login button	User is authenticated and redirected to home page
Invalid Login	<ul style="list-style-type: none">• On login page enter invalid credentials• Click login button	Error message is displayed and user remains on login page
User Logout	<ul style="list-style-type: none">• Click logout button in navigation bar	User is logged out and redirected to login page

Study Material Management Tests

Test description	Test steps	Expected Result
Upload Study Material	<ul style="list-style-type: none">• As a Student navigate to upload page• Select category• Enter title and description• Upload PDF file• Accept terms• Click upload button	Material is uploaded and pending approval
Download Study Material	<ul style="list-style-type: none">• Navigate to material details page• Click download button• Select save location	File is downloaded to selected location
Search for Materials	<ul style="list-style-type: none">• Navigate to Search page• Enter search term in search box• Press enter or click search button	Relevant materials are displayed in results
Rate Material	<ul style="list-style-type: none">• Navigate to material details	Rating is recorded and

	<ul style="list-style-type: none"> page Click on star rating (1-5) 	average rating is updated
Write Review	<ul style="list-style-type: none"> Navigate to material details page Enter review text Select star rating Click submit 	Review is posted and visible on material page

Course Management Tests

Test description	Test steps	Expected Result
Create Category	<ul style="list-style-type: none"> As a Teacher navigate to upload page Enter Course name in text field Click Create Course button 	New category is created and appears in list
Approve Material	<ul style="list-style-type: none"> As a Teacher navigate to course with pending material Click approve button on material 	Material status changes to approved and becomes visible to students
Reject Material	<ul style="list-style-type: none"> As a Teacher navigate to course with pending material Click reject button on material 	Material status changes to rejected and remains hidden from students

Localization tests

Test description	Test steps	Expected Result
Change UI Language	<ul style="list-style-type: none"> Click Finnish flag in login page Login in with valid credentials Observe UI changes 	All UI elements appear in Finnish
Translate Reviews	<ul style="list-style-type: none"> Set language to Finnish Navigate to material with reviews Click Käännä suomeksi 	Review text appears in Finnish

Usability tests

Test description	Test steps	Expected Result
Navigation Flow	<ul style="list-style-type: none">• Log in to system• Navigate through all main sections	Navigation is intuitive and consistent
Error Messages	<ul style="list-style-type: none">• Attempt actions that should produce errors• Observe error messages	Error messages are clear, helpful, and non-technical
Form Validation	<ul style="list-style-type: none">• Submit forms with invalid data• Observe validation messages	Forms provide immediate feedback on validation errors

Performance tests

Test description	Test steps	Expected Result
Page Load Time	<ul style="list-style-type: none">• Navigate to different pages• Measure load time	Pages load in under (?) seconds
Search Response Time	<ul style="list-style-type: none">• Perform searches with various terms• Measure response time	Search results appear in under (?) seconds
File Upload Performance	<ul style="list-style-type: none">• Upload files of various sizes• Measure upload time	Upload completes in reasonable time
File Download Performance	<ul style="list-style-type: none">• Download files of various sizes• Measure download time	Downloads start promptly and complete in reasonable time

Conduct Testing

Although actual testing is not required at this stage, the plan for conducting acceptance testing is as follows:

- Each acceptance test will be executed by the testing team using a predefined test script.
- For each test case, the tester will record:
 - The test case ID and description
 - Steps taken during the test
 - Expected vs. actual outcomes
 - Pass/Fail status
 - Any issues or bugs identified during the test
 - Screenshots or evidence, if applicable
- After all tests have been conducted, the results will be compiled into an Acceptance Test Report.
- The report will be reviewed by the project team to determine whether the product meets the acceptance criteria and is ready for delivery or further development.