

## Scenario\_02\_Functional\_CoreEn

### SPSE Jecna Test Case

**Test Case ID:** FUN\_01

**Test Designed by:** Pavlo Kosov

**Test Name:** Core Workflow - Register & Enroll

**Brief description:** Verify the complete flow of registering a new student, creating a course, and enrolling the student using a transaction.

**Pre-conditions:** Application is running, Database is initialized.

**Dependencies and Requirements:** None.

Step	Test Steps	Test Data	Expected Result	Notes
1	Create a new Instructor via "Manage Instructors".	Name: Test Prof , Email: prof@test.com , Rating: 5.0	Instructor created successfully. ID is displayed.	
2	Create a new Course via "Manage Courses".	Title: Test 101 , Price: 100 , Level: Beginner	Course created successfully. ID is displayed.	
3	Navigate to "Advanced Operations" and select "Register New Student & Enroll".	Name: New Student , Email: new@student.com	Prompts for Course selection.	
4	Complete the transactional enrollment.	Select Course ID from Step 2.	Success message: "Successfully registered student and enrolled in course."	
5	Verify Student creation via "Manage Students".	Select "View All Students"	"New Student" appears in the list.	
6	Verify Enrollment via "Manage Enrollments".	Select "View All Enrollments"	"New Student" is listed for "Test 101" with 0% progress.	
7	Attempt duplicate registration (Error Handling).	Same data as Step 3.	System displays error (Duplicate Entry/Transaction Failed) but does not crash.	