

Bug Report: Class Management API (class_route.py)

- **Date:** 06 August 2025
- **Reporter:** HTH
- **Environment:** Postman, Python, Flask

This report details the defects found during the execution of the test cases for the class management module.

Bug ID	Test Case ID	Summary	Description	Priority	Status
CLS-BUG-001	CLS-001-TC-001	Incorrect attribute name in database query	The <code>validate_course</code> function in <code>class_route.py</code> attempts to query the Course model using the attribute <code>course_id</code> . The correct attribute name is <code>id</code> , causing a 500 Internal Server Error that blocks the creation of any new class.	CRITICAL	Open
CLS-BUG-002	CLS-002-TC-001	Case-sensitive role check causes incorrect authorization failure	The <code>@role_required</code> decorator for the <code>/class/manager/</code> endpoint is set to <code>"manager"</code> (lowercase). Since	HIGH	Open

			the role in the JWT is "Manager" (uppercase), the check fails, and authorized users are incorrectly denied access with a 403 Forbidden error.		
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