ITELEC 4100: Advanced Web Applications Development

1st Semester A.Y. 2025-2026

PROJ. #1 – Object-Oriented Programming in PHP with Javascript
AJAX

Names:	Score:
	Date:
	Section:
Title:	Date Approved:

I.   Directions. *Follow the instructions properly as listed below. Any mistakes will result in grade deduction so be careful.*

Minimum Requirements

1. Propose a project from the given list (https://www.geeksforgeeks.org/software-engineering/top-software-development-project-ideas/).

2. You can only pick from the given number (2, 4, 5, 6, 10, 11, 15, 16, 17,21, 23, 24, 34, 35, 37, 40, 42, 43, 45, 46, 47, 48).

3. The application must have the basic function (**CRUD**).

4. The application must have a table relationship in the database.

5.   It must utilize **OOP** concepts in **CRUD operations**, **database connections, etc.** Bootstrap usage for front-end design is recommended. Integration of **AJAX and jQuery is also mandatory** (depending on use; ex. use AJAX for CRUD operations or search function, but not necessary on every operation).

Web Development Requirements

1. Backend: PHP (Object-Oriented approach is a must) Use of AJAX is also required.

2. Frontend: May use one or combination of the following - Bootstrap, jQuery. You must create and use external CSS & JS.

3. Database: Use MySQL as a database.

Project Submission

1. The system must be presented to the instructor and will be checked upon submission. The group must prepare

for a 1-3-minute presentation and 1-5-minute question and answer.

•••

Project #1 – **Rubrics**

• Refer to this table for reference regarding the project's grading system:

Project and Presentation		Scores		
Category	**Specifications**	**Excellent**	**Good**	**Poor**
Functionality	The program and each individual module are working as intended; no errors on the code, no problems occurred on program execution.	35	25	10
Design	Overall visual presentation of the program; how good the system looks and how user-friendly the program is to the end user.	15	10	5
Coding Standard	Coding is properly done complete with indentations, professional and proper variable, class, etc. naming and conventions are used, and the overall flow is easy to follow and understand.	25	20	10
Q & A	Explain code correctly and with confidence. Each member of the group will be asked.	25	20	10
Maximum Score		100	70	35
Total		100		

Prepared by: ***Approved by:***

Santi S. Ognita   Angeja C. Tolentino
  Instructor I   Chair, Department of Information Technology