

Web Technologies

CS341 Spring 2025 (First Semester)

Web Application Individual Final Project

Faculty: David Sampah & Kwadwo Gyamfi Osafo-Mafo

Percentage of Course: 40% of course evaluation

Date set: 6th November 2025

Due Date: 16th December 2025

Note: This is a final exams project, so kindly do an independent work to avoid plagiarism. **No late submission.**

Overall Task:

You can choose to continue your 2nd year database final project by building a frontend interface to allow for data manipulation (CRUD). You are free to update/improve the database SQL file. If you choose an entirely new topic, check to make sure it's not similar to an existing submission on the final / team project list.

All concept of clean code must be applied. Front end must be a modern design and responsive with the

All concept of clean code must be applied. Front end must be a modern design and responsive with the use of any front-end template (bootstrap, materialize, etc.). Publish application to a live server and include your public IP/URL in the documentation for submission.

Activity 1:

Submit your project topic (*use only one options below*)

1. Use my 2nd Year database class final project
2. Use an entirely new topic

Activity 2:

- Regardless of the options of activity 1, *Topics will undergo approval process. Early submission is advised.*

Activity 3:

- [Create a framing template for your project](#)

Activity 4:

- ### Activity 4:

- Remaining activities:

- Presentation:** There is no classroom presentation for this work.

Submission: on canvas

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- Link to video demo (see description below)
- Link to GitHub repository.
- and any other documentation
- Source code (only use GitHub repository link)
- SQL file
- A max of 10min video recording walking through the application running on a **live server**:
from:
 - Source code (**only interesting backend algorithms**)
 - Selected frontend validation
 - All major functionalities if possible
 - In the demo, the IP/URL address of your application must be seen in the address bar throughout (**do not use safari browser, I want to see the GET URL**).
 - Host this video on YouTube, Vimeo, cloud storage, etc. and add link to pdf (**check to make sure the link is public. Send to a third party to confirm this**)
- **Do NOT shut down** your web server till end of January 2026

What Must Be Declared (Use of AI)

For every substantive AI interaction, include:

1. **Tool name & provider** (e.g., ChatGPT-4o, GitHub Copilot, Stable Diffusion).
2. **Version/model** (if known).

For every substantive AI interaction, include:

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