

JescapsA | ATS Scan | Google G | (1329) Le | Qwen | ChatGPT | Quiz prep | Exam Det | Final-Exa | tales-of-t | +

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Final-Exams-Description ▾ Accessibility Mode Share ...

Web Technologies
CS341 Spring 2025 (First Semester)
Web Application Individual Final Project

Faculty: David Sampah & Kwadwo Gyamfi Osafo-Maafo

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

Page 1 of 3 100% Give Feedback to Microsoft

A screenshot of a Microsoft Edge browser window showing a SharePoint page titled "Final-Exams-Description". The browser has multiple tabs open, including "JescapsA", "ATS Scan", "Google G", "Quiz prep", "Exam Det", "Final-Exa", and "tales-of-t". The SharePoint page content is as follows:

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:

The page includes standard Microsoft Edge navigation and search bars at the top, and a "just" watermark in the bottom right corner.

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

Activity 4:

- Finalize the SQL file for your project with an EER diagram.

Remaining activities:

- Build a modern and responsive front-end using HTML, JavaScript (alternatively, use REACT) and CSS (frameworks recommended, but not required)
- Perform JavaScript validation. The use of regular expression will be checked. (if possible, do a PHP backend validation too)
- A PHP backend programming that will handle all the CRUD elements to the database.
 - All concept of clean code must be implemented:
 - *PHPUnit testing results (optional)*
- Minimal data analytics will be inspected.

Presentation: There is no classroom presentation for this work.

Submission: on canvas

- pdf document covering the write up's:
 - Framing template
 - PHPUnit testing results (if available)
 - Public IP/URL to live server.
 - 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:



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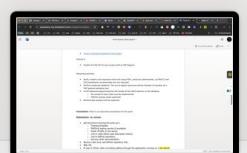
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- Link to video demo (see description below)
- Link to GitHub repository.
- and any other documentation
- Source code (only use GitHub repository link)
- SQL file
- A max of 10min video recording walking through the application running on a **live 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).



A screenshot of a web browser window showing multiple tabs open. The active tab is titled "Final-Exams-Description" and has a URL starting with "aucampus-my.sharepoint.com". The browser interface includes a toolbar with various icons and a sidebar on the right.

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2. **Version/model** (if known).
3. **Date(s) of use**.
4. **Precise prompt(s)** and any prompt-engineering steps (or representative examples if many).
5. **Outputs used** (exact text snippets, code blocks, images, etc.) — include originals and edited versions.
6. **Extent of use** — percent or scope (e.g., “Used to generate initial baseline code for data ingestion, then heavily modified”).
7. **Post-processing & verification** — describe human validation steps, tests run, and changes made.
8. **Data disclosed to the tool** — list any datasets, proprietary code, or personal data input to external services and whether consent/approval was obtained.
9. **Source code comments on areas of AI use**