

24-T1 OWL JUDGE

CS 4850 – Senior Project
Sections 02 & 03, Spring 2025
January 23, 2025

Project Team:

Name	Role	Contact
Lumiere Nathan Kue	Documentation, Group Leader	404-271-1584
Nathanael Fokou	Developer	404-663-5803
Bill Roan Simo	Developer	404-493-0240
Minh Quang Vu	Developer	678-579-7824

Advisor / Instructor: Sharon Perry
Role: Facilitate project progress; advise on project planning and management.
Contact: 770-329-3895

Table of Contents

1.0 Project Overview / Abstract	3
2.0 Project Website	3
3.0 Deliverables.....	3
4.0 Group Meeting Schedule.....	3
5.0 Collaboration and Communication Plan	4
6.0 Project Schedule and Task Planning.....	4
7.0 Other Plans	5
8.0 Version Control Plan	5

1.0 Project Overview / Abstract

The CCSE OwlJudge Web Application is a scalable, secure, and user-friendly platform designed to enhance the digital judging process for Kennesaw State University's C-Day event. The application will enable judges to evaluate capstone projects efficiently, ensuring fairness and transparency. It will feature real-time scoring, project tracking, and seamless integration with university systems.

2.0 Project Website

URL: Temporary Placeholder: www.ccseowljudge.com

3.0 Deliverables

The project will produce the following key deliverables to demonstrate its success and functionality:

1. **Final Report:** A comprehensive summary of the project, including design choices, results, and challenges encountered.
2. **Source Code:** Fully documented and structured code available on a GitHub organization account.
3. **Website with GitHub Integration:** A central platform that connects all project components.
4. **Final Presentation Video:** A video walkthrough showcasing the application's features.
5. **Weekly Activity Reports:** Regular updates to track progress and maintain accountability.
6. **Technical Documentation:** Detailed guides for setup, usage, and further development.
7. **Prototype Presentations:** Iterative demos to gather feedback during development.
8. **Fully Deployed Application:** The final version of the application, hosted on AWS.

4.0 Group Meeting Schedule

Meetings will be held regularly to ensure coordination among team members:

- **FaceTime:** Fridays at 6 PM for informal discussions and check-ins.

- **Teams:** Mondays and Wednesdays at 11 AM for in-depth technical planning.
- **In-person:** As needed, for critical technical discussions and debugging sessions.

5.0 Collaboration and Communication Plan

- Teams for virtual meetings
- Google Drive for shared documents
- GitHub for version control and code sharing
- Trello for task management

6.0 Project Schedule and Task Planning

The project will follow the Software Development Life Cycle (SDLC) stages:

Initiation Phase:

- Kickoff meeting: Jan 22, 2025
- Requirements gathering: Jan 29, 2025

Planning Phase:

- Database schema design: Feb 17, 2025
- System architecture planning: Mar 03, 2025

Execution Phase:

- Backend development: Mar 10, 2025
- Frontend development: Mar 17, 2025

Closure Phase:



- Testing and QA: Apr 07, 2025
- Deployment: Apr 13, 2025
- Final Adjustments: Apr 17, 2025
- Final presentation C-Day: Apr 22, 2025

Gantt Chart:

Project Name: OWL JUDGE
Report Date: 1/23/25

					Milestone #1				Milestone #2				Milestone #3				C-Day	
Phase	Tasks	Complete%	Current Status Memo	Assigned To	01/11	01/13	01/20	02/03	02/10	02/17	02/24	03/03	03/10	03/17	03/24	03/31	04/07	04/22
Requirements	Meet with stakeholder(s) SH	50%	Delayed	Lumiere, James	10	4												
	Define requirements																	
	Review requirements with SH	10%		Lumiere		10	15											
	Get sign off on requirements	0%		James			5	10										
Project design	Define tech required *	0%		Bill				10	4									
	Database design	0%		James, Bill				5	10	10								
	Front End design	0%		Lumiere, Minh						10	10							
	Develop working prototype	0%		Bill						10	10							
	Test prototype	0%		Lumiere							5	10	5					
Development	Review prototype design	0%		Bill								8	5	10				
	Rework requirements	0%		James								8	10	20	20			
	Document updated design	0%		Lumiere											10	10		
	Test product	0%		Minh										8	5	20		
Final report	Presentation preparation	0%		Lumiere, Minh, Bill, James												15	10	10
	Poster preparation	0%		Lumiere, James														10
	Final report submission to D2L and project owner	0%																5
Total work hours				337	10	14	20	25	14	30	25	26	20	38	35	45	10	25

* formally define how you will develop this project including source code management

Legend	
Planned	
Delayed	
Number	Work: man hours

7.0 Other Plans

Risk Assessment:

- Identify risks related to AWS resource constraints, performance bottlenecks, and data security.
- Mitigation Plan: Optimize resource usage, conduct regular performance testing, and encrypt sensitive data.

8.0 Version Control Plan

Version Control: GitHub organization account

- **Purpose:** To manage version history and collaboration efficiently.
- **Access Control:** Team members only; public repository for final release.