

Final Project

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Due Tuesday by 11:59pm **Points** 100 **Submitting** a file upload
Available Sep 4 at 12am - Dec 5 at 11:59pm

Final Project: **Interactive Web Application**

Objective: Collaboratively design and develop an interactive web application that incorporates HTML, CSS, and JavaScript to solve a specific problem or address a particular need.

Project Requirements:

1. User Interface (25%):

- Design a visually appealing and user-friendly interface using HTML and CSS.
- Ensure responsiveness to different screen sizes and devices.

2. Functionality and Interaction (25%):

- Implement interactive features using JavaScript:
 - Incorporate user interactions specific to your application's purpose (e.g., game mechanics, calculator operations).
 - Utilize event listeners to respond to user inputs.

3. Data Handling (15%):

- Store and manage data effectively, considering the user's interactions and inputs.
- Utilize appropriate data structures (e.g., arrays, objects) to organize information.

4. User Experience (15%):

- Ensure a seamless and intuitive user experience throughout the application.
- Implement transitions, animations, or visual cues to enhance usability.
- Implement visual feedback for user actions (e.g., highlighting selected items, displaying results).

5. Collaboration and Version Control (10%):

- Use version control (e.g., Git) effectively to collaborate as a group.
- Clearly define roles and responsibilities within the team.

6. Documentation and Code Quality (10%):

- Provide clear and concise documentation that explains the project's purpose, features, and how to use the application.
- Ensure well-structured, organized, and commented code.

7. Presentation and Demo (10%):

- Deliver a presentation that showcases the application's features, functionality, and user experience.
- Provide a live demonstration of the application's key interactions.

Bonus Challenges (Optional):

- Implement API integration to fetch and display real-time data. (10%)
- Incorporate user authentication and personalized user accounts. (10%)
- Include advanced CSS animations or transitions for a polished look. (5%)
- Host your application somewhere to provide a functional live demo (10%)

Submission

Each team member will submit an [independent completion form](https://uab.instructure.com/courses/1604852/files/73713555?wrap=1)

(<https://uab.instructure.com/courses/1604852/files/73713555?wrap=1>)_ 

(https://uab.instructure.com/courses/1604852/files/73713555/download?download_frd=1) . The form should include 1) note of agreement, 2) your github repo link for the team project, 3) a breakdown of group member roles and contributions (including yourself). This should be in PDF or Word format.

If this is a private repo, please make sure to share this with the following GitHub accounts: BlazedAla and jyc02.

The entire group should present their project during our final exam period on Tuesday, December 5 from 4:15 PM – 6:45 PM. **There will be no extensions on this project. Forms must be submitted by end of the day on Tuesday, December 5th.**