Project 1
CSC 4370/6370 WEB PROGRAMMING
FALL 2023
Due date: 10/17/2023 – NO Exceptions
(All groups) –

Grouping breakdown

1. Each team is assigned by the web-pro management team see i-college for group listing.
2. The groups are assigned based upon the current class roster size.
3. Please see the group list posted online via I-college and discord.

This is an excellent opportunity to improve your skills as a *team player*, a highly-desirable type of worker in the real world. (See link https://www.developer.com/mgmt/article.php/1566581

The Project will involve creating a 10 to 15-minute PowerPoint presentation, which should be aligned with the course project content. Excitingly, you have the freedom to select a topic that genuinely interests you, allowing you to express your creativity and showcase the results of your efforts. The project doesn't need to be overly intricate; instead, focus on being imaginative and enjoying the process.

Today Class Schedule

1. **Meet with team-members**
2. **Introduce yourself to your teammates**
3. **Exchange email addresses**
4. **Choose a leader - liaison to the instructor**
5. **Brainstorm ideas**
6. **Plan how you will collaborate/communicate**
7. **Choose someone to "integrate" the parts done by the team members**

Objective: Create and showcase the user interface or front-end for a chosen topic. This project will not aim to be a fully operational system, and there are no intentions to expand its functionality beyond this demonstration.

a) Please designate one team member as the project leader responsible for project coordination and reporting to the instructor. Additionally, ensure that you monitor the time invested by each team member in the project.

b) Each group is required to create a PowerPoint presentation lasting between 10 to 15 minutes to showcase the completed project.

c) In addition to your project submission, please provide a summary on a separate, well-designed webpage using a styled div, including the following information:

- Leader's Name
- **Project Title**
- **Project Description:** A brief one-sentence description of your project
- **Team Members:** A list of your team members (last and first names) along with their respective project responsibilities."

Please use either the leader's name or the project name as the folder name.

Before the presentations, we highly recommend (though it's not mandatory) that your team duplicates the project files to the CODD server.

==**Required:** Please establish a dedicated folder and consolidate all project-related files within it, including uploading your code to GitHub. Ensure that all code work, from inception to completion, is available on GitHub. At any point, we may request random access to your work and engage in dialogue via your project's assigned account.==

Keys to the powerpoint presentation.

Team Organization - You have the flexibility to structure your team in a way that suits your project's needs. Two common approaches are:

User, Designer, Coder/Programmer, Tester Model
  a) Assign team members to roles such as User Representative, Designer, Coder/Programmer, and Tester.
  b) Each team member focuses on their respective area of expertise to contribute to the project's success.

Architect/Chief Programmer Model with Programmer Teams
  a) Appoint an Architect or Chief Programmer responsible for the project's overall design and coordination.
  b) Form smaller programmer teams, with each team working on specific components or modules of the program.
  c) Foster collaboration and communication among teams to ensure a cohesive final product.

Presentation Structure (10 - 15 minutes):
  a) To effectively present your project, consider the following structure:

Introduction (PowerPoint Slide Show)
  b) Begin with a PowerPoint slide show to introduce the problem you're addressing.
  c) Clearly articulate the problem statement, its significance, and the goals of your project.
  d) Highlight any relevant background information.

Demo Run
  a) Perform a live or recorded demo run of your project.
  b) Showcase the project's functionality and how it addresses the identified problem.
  c) Provide real-world examples or scenarios to illustrate its practical applications.

Code Highlights (Code-Wise Presentation)
  a) Share key aspects of your project's code.
  b) Explain the architecture and design principles that underpin the code.

c) Highlight significant features or algorithms used in the project.
d) Emphasize any innovative or unique coding approaches.

Q&A and Discussion – not required
a) Open the floor for questions and discussion.
b) Encourage the audience to ask about specific code details, design choices, or project challenges.
c) Engage in a meaningful dialogue to showcase your team's expertise.

Conclusion and Next Steps
a) Summarize the key takeaways from your presentation.
b) Discuss the project's achievements and its potential impact.
c) Mention any future plans or developments, such as updates, enhancements, or additional features.

Project Ideas: Design and Implementations Using CSS (Transforms, Transitions, Animation) Only
(Be Creative)

Objectives: Explore the world of web design by creating captivating user interfaces for the following popular concepts, using CSS (Transforms, Transitions, Animation) exclusively. Please adhere to the requirement of **not using any JavaScript**.

I. **Card Game Interface**
Design an elegant card game interface with smooth animations for shuffling and dealing cards.

II. **Dice Game Interface**
Craft a visually engaging dice game interface where users can roll virtual dice with realistic animations.

III. **Board Game**
Develop a user-friendly digital board game, complete with animated pieces and interactive gameplay elements.

IV. **Casino Game Interface**
Create a visually stunning casino game interface featuring various games like slots or roulette, all animated with CSS.

V. **Parking Lot Design**
Design a virtual parking lot layout with animated cars moving in and out of parking spaces.

VI. **Interactive Map for Navigation**
Build an interactive map that users can explore, with animated markers, routes, and tooltips for navigation.

VII. **Interactive Recipe Pages**
Design visually appealing recipe pages with animated cooking steps and ingredient lists.

VIII. **Adventure Game**
Develop an imaginative and immersive text-based adventure game with CSS-animated storytelling elements.

==Please see my demos of CSS below==

- ➤ **[Notes on Transforms Transitions & Animation](#)**

- ➤ **[CSS SAMPLE CODE AND EXAMPLES](#)**

Decide the responsibilities for each team member. e.g. (To do list)

Team Roles and Responsibilities:

Designers (All Members)
- a) Collaborate with the User to define program requirements.
- b) Create user interface sketches.
- c) Design the program, outlining classes, fields, methods, objects, etc.
- d) Develop pseudocode for all methods.

Programmers (All Members)
- a) Implement the program by writing code for all components.

Testers (All Members)
- b) If applicable, formulate a comprehensive test plan.
- c) Include test procedures, test data, bug tracking, and reporting methods.
- d) Prioritize identified bugs.
- e) May assist in bug fixing.
- f) Compile information from team members for the PowerPoint presentation.

[Kanban Methodology](#) (Required)
- a) Implement the Kanban methodology, conducting daily Kanban meetings.
- b) Concentrate on specific work areas.
- c) Provide a detailed summary of how the Kanban methodology was applied and its benefits. Include this information in the PowerPoint presentation with a labeled section on the advantages of the Kanban methodology.

Graduate Students

- a) **Must** introduce creative extra features or unique concepts into the project.

Project Planning
- b) Collaboratively establish a project schedule.
- c) Estimate hours required for each project phase.
- d) Determine communication methods, timing, and locations for coordination.
- e) Utilize Discord as a primary communication platform for all team members.

Throughout the course, guidance and support will be available, including dedicated class time. Feel free to reach out for assistance, and utilize Discord as a means of communication and collaboration.

Presentation Day Requirements - Summary
a) Prepare a PowerPoint Presentation - Please refer to the specified requirements below.
b) Utilize conference call recording software like Zoom, WebEx, or Microsoft Teams to deliver your presentation.
c) Establish a YouTube channel and post your video following the provided guidelines - Refer below for specific instructions.
d) Obtain the video link source and submit it to the designated Dropbox location listed on i-College.

PowerPoint slide show should include the following:

✓ User - statement of problem, and general requirements (inputs, outputs, etc.)

✓ Design - Overview of solution, key design features, user interface, UML class diagrams, pseudo code using Transforms, Transitions, and Animation.

✓ Testing - (if applicable) how tested (e.g., test plan, data used, tracking and reporting bugs, bugs fixed/not fixed, etc.)

> ✓ **Give your Group a Team Name that's tied to Web Technologies Development Project.**
> ✓ You will choose the presenters in order. All members must be involved in the presentation. One person will do the slide show, and a second team member will demo the or each team member may wish to present his own work.
> ✓ Please use PowerPoint to present be sure to insert your code snippets with slides.

About the YouTube Channel

Create a YouTube channel this will be used to a presentation your work

Title Video: i.e. "Name of the task CSS Project 01_TeamName "

✓ **This video should range from 10 - 15 minutes.**
✓ **Every team member must participate in this video and must cover a key feature.**
✓ **Create a channel at YouTube and name it as your group name**

List of links to use and determine your recording presentation software

1. **Zoom**
2. **Microsoft Teams**
3. **WebEx**
4. **Additional Software you can consider**
5. **Discord**

How to create a YouTube channel? Let's start with the basics

1. Sign into YouTube and click on the user icon at the top right of the screen.
2. Click on the gear icon to get to your account's YouTube Settings.
3. Click on Create a new channel.
4. Then choose "Use a business or other name"
5. Add your Brand name and click create.
   - ✓ Once ready, upload the video to your channel.
   - ✓ Include the link to this channel with your submission and you will
   - ✓ Incorporate the video for the core of your PowerPoint presentation.
   - ✓ Use this channel for uploading future videos.

Grading Criteria

Please see the Presentation grade sheet link to be clear on what you will be graded on.

Your grade will be determined by the following criteria:

- Effective application of the "state of being."
- Presence of a title
- Correct HTML/CSS – Use of Transforms, Transitions, Animation (required)
- Aesthetic choices:
   - Font choice
   - Color choice
   - A clear focal point.
- Creation of a reasonably complex layout (multiple divisions/content areas), although there may be exceptions to this expectation.
- Creativity
- An appropriate design for the selected "Topic"
- Consistent design for the entire site (implementing the use of Transforms, Transitions and Animations)
- Easy-to-use and logical navigation
- Application of good design principles
- Effective use of images, color, and typefaces
- "Everything working"

If you fulfill the specified requirements (please refer to the Requirements section above), you will be awarded full credit. To receive credit, your team must adhere to the designated submission guidelines for both the paper and presentations. Merely submitting the files to iCollege will not be considered adequate. It is imperative that you also upload the project to the CODD server, and all team members must ensure their projects are posted on Dropbox. Additionally, it is advisable for all members to share the Dropbox links to ensure accurate grading and reporting of your grades.