

Project 1
CSC 4370/6370 WEB PROGRAMMING
Spring 2022
Due date: 02/19/2022
(All groups) – No Class until 02/14/2022

Overview

Grouping breakdown

1. Each team ideally consist of about three members, but may have as few as one or as many as 2 members.
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 consist of an 8 -10- minute PowerPoint presentation to the class on anything related to the course material. Here you get to choose a topic of interest to you, to be creative, and to show the fruits of your labors. The project does not have to be anything complicated. Be creative and have fun.

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: Design and Present the user interface/Front-End from a selected topic below. This will not be a fully-functional project and do not plan to make this an extensible project.

- You should choose one team member as leader for purposes of coordinating the project and reporting to the instructor.
- Keep track of how much time each team member is required to spend on the project.
- Each group shall make a PowerPoint presentation lasting 8 -10 minutes in which you present your completed project.
- Please submit a summary with your project *in a separate linked page using a presentable styled div* which states the following:
 - ✓ Leader's Name
 - ✓ Project Name
 - ✓ Description: a one-sentence description of your project
 - ✓ Team Members: a list of your team members (last and first names) and their project responsibilities.

REQUIRED: Prior to the time of the presentations, it is strongly suggested (though not required) that your team copy the project files to the CODD server. Create a folder and place all containing files for your project and place the code on GitHub. Upload all the code work from start to finish on GitHub. I may ask at any time to show me all work and dialog via account.

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

Suggestions for development and presentation:

- ❖ You may organize your team any way you like. One way is user, designer, coder/programmer, and tester. Another way is an architect / chief programmer with a team of programmers each of whom works on one part of the program.
- ❖ The presentation could be structured as follows for (8 - 10 minutes):
 - PowerPoint slide show to introduce the problem
 - Perform a Demo run of the project
 - Display all-important aspects code-wise with explanation of the key features.

Sample Project Ideas

Design for a popular (See list below) – **You are applying the concept using CSS (Transforms, Transitions, Animation) only.**

- 1) Card game interface
- 2) Dice game interface.
- 3) Board Game.
- 4) Casino game interface.
- 5) Parking lot design.
- 6) Interactive Map used for navigation.
- 7) Interactive recipe pages
- 8) Adventure game

(Be creative).

You can develop your own concept/title consult with me if unsure of relevancy

Requirements – Please use of HTML and CSS ONLY **Absolutely (NO JavaScript is ALLOWED)**

Please see my demos of CSS

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

➤ [CSS SAMPLE CODE AND EXAMPLES](#)

Today's Task

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

- ✓ All members are Designers - work with the User to determine the program requirements.
- ✓ Sketch the User Interface. Design the program - determine the classes, fields, methods, objects, etc. Write pseudo code for all methods.
- ✓ All members are Programmers - Create the interface and write all the code you will be using.
- ✓ All members are Testers – (if applicable) Develop a test plan including test procedures, test data, method of tracking and reporting bugs, and assigning priorities to bugs. May also help write code to fix bugs. Put together the PowerPoint slide show using input from the other team members.

Graduate Students must create sometime of extra feature or special concept be creative implement your own concept

- ✓ Decide on a schedule; estimate hours for each phase; determine when, where, and how you will communicate and coordinate your work.
- ✓ Part of this class time I will be available and I will be available to help guide you. Email is a good way to communicate as well for all parties.

Presentation Day Requirements

- 1) Create a PowerPoint Presentation - See Below for Requirements
- 2) You will use a conference call recording software such as zoom, web-ex and MS teams to present your work.
- 3) Create the YouTube channel and upload the video to the channel – See Below for Requirements
- 4) Copy the link source of your video and upload to the allocated drop-box listed in 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
 - ✓ Choose one or more presenters. You may choose to have one person do the entire presentation. Or perhaps one will do the slide show, and a second team member will demo the program. 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 use to a presentation your work

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

- ✓ This video should range from 8 - 10 minutes.
- ✓ Every team member must participate in this video.
- ✓ 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.
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- ✓ 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"

As long as you meet the requirements (see the **Requirements** section above), you will receive full credit. Your team must turn in the paper as specified above and do the presentations in order to get credit. It will not be sufficient to simply turn in the files to **icollege**. Please have it posted on CODD sever and All Members MUST upload project to drop box. (All Members should post link to drop box just to ensure you get the correct reporting of your grade)