CPSC 349: Front-End Web Engineering - Fall 2023 **Group Project One,**
Full stack website, **due 21 Oct 2023**

Use client-side JavaScript, forms, and a back-end solution like Python/Flask, PHP/MySQL, NodeJs/ Express. or Firebase/Firestore to build one of the applications listed below. As we don't have an existing back-end database to hit, we will have to build a database and your team's choice of one of the above solutions to answer queries and return results back to the browser. Your group will have to give a presentation of their work, and make a recording of it in advance.

Teams typically divide up into different functionalities: user interface such as page layout using HTML, CSS, and frameworks like Bootstrap, JavaScript and JS frameworks such as jQuery and Bootstrap, PHP/NodeJs/Flask to hit post/retrieve data to the database, and MySQL or MongodB or Google Firestore to store the data.

You may use any additional third-party Web Service APIs, libraries, or modules, provided that you acknowledge their contribution to your project, and comply with the terms of their licenses. For example, some licenses require your code to be open source if you are using open source code.

Projects Build a site where...

- Parents can share embarrassing baby pictures with their children's potential dates
- Local bands can solicit feedback on recent shows
- Politicians can exchange tips about avoiding their constituents
- Visitors can create their own "which character are you?" quizzes
- Pet owners can setup play dates for their pets
- People who take pictures of their food can argue about whose food looks tastier
- Users can create their own "business card" or "landing" pages similar to about.me or distilled.me
- Users can blackmail other users by uploading incriminating photos and a list of demands
- Users can swipe left/right on other people's reading material (e.g., "Tinder for Books", or Intellectual or not).

Functionality Note that project descriptions are very brief and deliberately underspecified. This is your chance to be creative. Begin with a set of possible features, plan according to the available time, and build something interesting. Think of the project not as a complete product requiring years of work, but as a product that would convince website users that they should tell others about your site, and would convince your boss to promote you

Teams (max four members per team) You may discuss your project and the technologies you are using with other teams, but each team must build its own application and submit its own work.

Working with members of your team In general, each student in a group will receive the same grade. If you run into issues with your teammates, it is your responsibility to attempt to resolve them.

If you are unable to work with a member of your team (for example, if they disappear and fail to respond to attempts to contact them), bring the problem to my attention as soon as possible -- do not wait until the due date.

Presentations On presentation day, you will have 15 minutes to give a short demonstration of your application to the class. Include both functionality and implementation details. Your entire team must be present and available to answer questions, but individual team members may volunteer to deliver the presentation. \

Grading Each of the following factors contributes up to 3 points to the final grade for the project, for a total of 30 points:

(1) Quality of presentation (including equal participation by all team members)
(2) Quality of documentation for installing, configuring, and using the application
(3) Project scope and functionality
(4) Code quality
(5) Innovation and web design
(6) Teamwork

Submission Upload the code, link to your website, recording of your team's presentation, and the filled out rubric.

CPSC 386 --- Pacman Portal

Recreate Pacman game with the ability of Pacman to create portals to escape as needed. **Due 21 Oct 2023**

Verify each of the following items and place a checkmark in the correct column. Entries incorrectly marked will incur a 5% penalty on the grade for this assignment

Name(s) and section:	Completed	Not Completed
Team leader: Emily Crowl		
Team member 2: Chanel McGee		
Team member 3: Chelsea Ogbedeagu		
Team member 4: Trenton Coggeshall		
Team member 5: Brian Baik		
WEBSITE URL: _____ Received login info, but explicit directions were not provided for hosting, unable to complete step. Please view README: https://github.com/fooledyouonce/groupproject-1		
Created a full-stack website for one of the applications listed on p. 1 of this rubric. Website's URL is at (Note: website must be **constantly** available for the next two weeks.	X	
The site has authorization/authentication code requiring users first to register, then to sign in	X	
The site blocks most of the website from the user unless they log in		X
The site uses HTML, CSS, and JavaScript to create forms for its front end	X	
The site uses a JavaScript library to communicate with the back-end over the network	X	
The site uses Promises and Deferreds to check if the communication was successful, and displays an error if the server is down	X	
The site uses a NoSQL or a SQL database to store its data	X	
Website is attractive	X	
Website's purpose can be ascertained in less than 10 seconds	X	

SELF EVALUATION by team rank from 1 lowest to 10 highest – give reason for ranking

Quality of presentation by Team leader 1:	10 - Facilitated project and gave support. Worked on getting project off the ground & beautifying/documentation
Quality of presentation by Team member 2:	10 - Supported with authentication/authorization
Quality of presentation by Team member 3:	10 - Supported with authentication/authorization
Quality of presentation by Team member 4:	10 - Support backend operations and git management
Quality of presentation by Team member 5:	10 - Supported with comments/UI
Teamwork:	10 - all members worked well together and communicated
Quality of documentation (configuration, installation, use):	10 - concise and clear directions for setup and use
Quality of HTML:	10 - followed what we had learned thus far in class
Quality of CSS:	10 - followed what we had learned thus far in class
Quality of JS:	10 - followed what we had learned thus far in class
CSS Libraries/frameworks used:	Default given by Create React App
JS Libraries/frameworks used (front- and back-end):	Default given by Create React App & Firebase
Python Libraries/frameworks used (back-end):	N/A
Database used:	Firebase

How you will be reviewed by your classmates...

REVIEW of (team's name, leader, member) **Team name:** _____ **Team leader:** _____ **Team member 2:** _____ **Team member 3:** _____ **Team member 4:** _____ **Team member 5:** _____
Team leader of reviewing team:
Score from 1 lowest to 10 highest, Give specific reason(s) for each score
Quality of Presentation by Team leader: ||
Quality of Presentation by Team member 2: ||
Quality of Presentation by Team member 3: ||
Quality of Presentation by Team member 4: ||
Quality of Presentation by Team member 5: ||
Quality of configuration / installation: ||
Project scope and functionality: ||
Code quality (HTML): ||
Code quality (CSS): ||
Code quality (JS): ||
Innovation and web design: ||
Teamwork: ||
Total (120 maximum):
General Comments:
CSS Library/framework used:
JS Libraries/frameworks used:
Back end database/db access library used: