Final Project Part 0: Initial Project Planning

This team project assignment was created by Dr. Jan Pearce

This final project planning document is not designed a POGIL assignment

You are to work in your project team.

Please complete the following:

Team Roles	Member Name
Student 1	
Student 2	
Student 3 (If needed)	
TEAM NAME	

Directions to save this document:

- The recorder makes a single copy of this worksheet for the entire group in their Google account.
- The recorder shares it with everyone in the group so they can only **view** their document.
- The recorder changes the document title so that it is *csc236_fp3_yourusernames*

Initial Planning for Final Project

Project Objectives

- Gain practice in identifying key concepts from the course materials
- Develop a video to help others understand one or more key concepts from the course
- Synthesize data structures and algorithms concepts learned in this course
- Identify and communicate key idea of your data structures and algorithms in an organized manner in a video
- Conduct a detailed Big O Analysis on your key algorithms
- Make a low-stakes presentation showing off your hard work

Your Key Topic

Each team has been assigned a project a project topic

Assigned Topic:	

1. What are the key algorithms in the sections you selected?

Brainstorming for Your Video

We will start now with **brainstorming**, which should be completely unfiltered - just write down as many ideas as you can in 10 minutes. Don't worry about whether they are good or bad ideas or even if you like them yourself. Often, a strange or potentially bad idea can become something great when others start to think about it.

Remember, don't filter!

2. What ideas might be fun in your video? List as many ideas as your group generated in the box below:

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As a group, discuss the advantages and disadvantages of each of the ideas you generated. Please do not take any conversations personally. Your goal is to reach consensus, where everyone is happy with the direction and can be proud of the final product.

3. Briefly explain which idea (or ideas) your group selected and why:

4. Identify all key algorithms used in your topics/sections for Big O analysis you will be presenting in your video.

As time permits, carry out additional planning. You will be creating a draft video script very soon, so discussing the video in more detail would be an excellent use of time.

5. Write your decisions below:

Now that you have an idea for your video, design and refine how to make it using the agile process.

Agile Reports

As explained in the requirements document, an **agile meeting** is a focused, short meeting for a team to come together and provide updates in the development process. These meetings are designed to help you get unstuck if you are blocked and also to inform everyone of the progress of the project as a whole. It is time to go into more detail as to what to expect.

In future reports, each Team Member will answer briefly in each section below:

Accomplishments: What did you accomplish since the last class meeting? *Report on both in-class and out of class accomplishments.*
Short-term Goals: What do you personally think the team needs to accomplish before the next class meeting?
Challenges: Do you have any issues blocking you from progressing? *Remember, be honest about the blockers so that you can get help.*
Desired Discussion Points: Do you have any desired discussion points? *These are Items that are not blockers but would benefit from a group decision.*
Near term project goals: The state of the project and what you need to do to move it forward.

Assigned tasks for each team member

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6. Each teammate is expected to reread and reflect on the relevant sections in the textbook. Write your name below to indicate that you reread these relevant sections. See CSC 236 Project Partners and Topics - Fall 2024 for the list of sections assigned to your team.

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7. Read the entire Final Project Requirements document and write your name below to indicate that your understand what you are expected to do:

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THIS STEP IS OPTIONAL TODAY, but will NOT be OPTIONAL for future project reports.

Discuss as a team what tasks each member should accomplish for this project that will take 2-4 hours BEFORE the next class period. This is work that will be completed **individually**. To reiterate, each member should be expected to put in 2-4 hours OUTSIDE of class for each class session. Progress on these tasks are what each member reports on during the Scrum meetings.

8. **OPTIONAL**: List out each team member's name and **specific** tasks they must do before next class period. *Remember, estimate spending 2-4 hours outside of class time for these tasks!*

Name	**Tasks**

To Submit

- Everyone in the team is to download their copy of this document once the recorder is done and upload it to Moodle.