**Technical Design Document For Chapter 8 Exercise**

**Name:** Jackson Hodge

**Date Created:** 3/15/25

**Program Description:**

This program lets instructors enter names and exam grades for the amount of students they have in a class. The program then writes the data to a csv file and displays what the csv file looks like in the console.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** write\_grades\_csv

**Description:** write\_grades\_csv gets input from the user and writes it to the csv file.

**Parameters:** This function takes does not take in any parameters.

**Variables:**

1. num\_students
2. fieldnames
3. writer
4. first\_name
5. last\_name
6. exam1
7. exam2
8. exam3

**Logical Steps:**

1. Get input for how many students to enter in the file.
2. Open the file and write to it.
3. Get input for each field.
4. Write to the file.

**Returns:**

None

2. **Function Name:** read\_grades\_csv

**Description:** read\_grades\_csv prints the file to the console to view.

**Parameters:** This function does not take in any parameters.

**Variables:**

1. reader

**Logical Steps:**

1. Open the file.
2. Read the file.
3. Print the data to the console.

**Returns:**

None

**Logical Steps of the Program:**

1. Call the write\_grades\_csv function.
2. Call the read\_grades\_csv function.

**Link to your repository:** <https://github.com/Jackson112607/COP2373-ProgrammingConceptsII>

**Output Screenshot:**

A screenshot of a computer

AI-generated content may be incorrect.