**Generate Midterm Grade Summary**

Get Student Information

Get Grade Weights from File

Get Student Grades from File

Calculate the Weighted Averages

Calculate Midterm Average

Display Grade Summary

Log Student Midterm Information

**Get Student Information**

Get Student Name

Get Student Address

**Get Student Name**

Display “Name of Student: “ to user

Get studentName from user

**Get Student Address**

Display “Student Address, City, State, and Zip Code: “ to user

Get studentAddress from user

**Get Grade Weights from File**

Get examWeight from file

Get hwWeight from file

Get labWeight from file

Get quizWeight from file

**Get Student Grades from File**

Get examGrade from file

Get hwGrade from file

Get lab1Grade from file

Get quiz1Grade from file

Get lab2Grade from file

Get quiz2Grade from file

Get lab3Grade from file

Get lab4Grade from file

**Calculate the Weighted Averages**

Set examWeightedAvg to examGrade \* examWeight

Set hwWeightedAvg to hwGrade \* hwWeight

Set labWeightedAvg to ((lab1Grade + lab2Grade + lab3Grade + lab4Grade) / 4) \* labWeight

Set quizWeightedAvg to ((quiz1Grade + quiz2Grade) / 2) \* quizWeight

**Calculate Midterm Average**

Set midtermAvg to examWeightedAvg + hwWeightedAvg + labWeightedAvg + quizWeightedAvg

**Display Grade Summary**

Display “Jefferson Community College” to user

Display studentName to user

Display studentAddress to user

Display “Grades” to user

Display “Exam”, “Homework”, “Labs”, “Quizzes” to user

Display examGrade, hwGrade, lab1Grade, quiz1Grade to user

Display lab2Grade, quiz2Grade to user

Display lab3Grade to user

Display lab4Grade to user

Display “Midterm Average: “, midtermAvg to user

**Log Student Midterm Information**

Store studentName to file

Store midtermAvg to file