CSSE 374: Lab 5-2

Create **Lab5-2.pdf** with answers to the following problems:

Part 1

Dowload the solution for Lab 3-1 from Moodle -> Resources -> Solution. Identify all of the places in the code where the Principle of Least Knowledge (PLK) has been violated. Provide the following information:

Q1. List class(es), method(s), and line number(s) where PLK has been violated and in a few lines **explain** how to fix them. [**5 points**]

Q2. Consider one instance of the violations. Describe your solution using both a UML class diagram and a UML sequence diagram. You are only required to include the classes that are affected by your changes in the diagrams. [**10 points**]

Part 2

Research about a popular framework/library that uses the Façade pattern. Explain how the Façade pattern is used in that library by providing the following information:

Q3. What is the general purpose of the framework/library. [**5 points**]

Q4. Using UML class diagram show how the Façade pattern is used in the library. Here are the items that you must document:

a.	The Façade class with some of the relevant methods	[**5 points**]
b.	The class that uses Façade to do its job or the client of the Façade class.	[**5 points**]
c.	Some of the important classes that the Façade uses and their relevant methods.	[**10 points**]
d.	In a few sentences, explain how the design works.	[**10 points**]

Deliverable

Turn in the **pdf** on Moodle.