ADJ - Problem Set 1 (pair assignment)

1　Problems (16 points total)

Complete the following problem and produce an ADJ-style solution. Both the syllabus rules and ADJ Ruleset 1v3 are in effect. For this assignment, each pair may ask 1 (ONE) in-world question. (Requests for additions to K are unlimited.)

M4: Operating-System Structures

1. [Acuña] *You have recently started a new internship with an organization specializing in storage and containment, and although it sounds rather boring, you are excited to at least get some work experience. Oddly, your first project doesn't seem to be directly about storage. As your first task, you are asked to choose the operating-system structure for a system that monitors in detail the contents and events of a room where multiple objects may be placed for a short amount of time. Usually personnel oversee this process from a control room. It was explained that some of the objects in storage have interesting interactions when placed together, and that facilities will use the information gathered by this system to reduce the chance of undesired events during long-term storage. Your boss mentioned a, "trivial", example of how storing ammonia and bleach near one another can cause a problem if the containers rupture, which produces a toxic vapor.*

   What Operating-System Structure should you choose for its kernel? **Analyze** the problem, **design** a choice, and **justify** the choice. [10A+2D+8J points]

2　Submission

The submission for this assignment has one part: a write up. The file should be attached to the homework submission link on Canvas.

　　Writeup: Submit the ADJ answers in PDF format. Please name your file as "LastName1and2ADJ1.pdf" where the last names are given in alphabetic order (e.g. "CasteelPilcherADJ1.pdf").