This project applies the course textbook's Chapter 1 design principles for computer security to Chapters 7-12. Chapter 12 is not part of the published book, but will be distributed via cuLearn.

Task: write a short report that does the following.
1. From these specified chapters, find examples that illustrate each principle
   (ideally following the principle, but exemplary violations may also be used).
   If you find no examples for a principle, then find additional examples for others.
2. **Discuss and clearly explain** how each example illustrates the principle in question.
3. **Suggest new principles** or modifications of the existing ones (see Grading Scheme).

In addition to examples of principles explicitly identified by the text itself, you are expected to find others. If you choose to find examples from outside the text, they should be closely related to some (clearly specified) section of the relevant textbook chapters.

Additional requirements and notes:
❖ define all notation and any new terminology used in your report
❖ for each example, clearly identify the location (textbook section number and page number)
❖ **do not plagiarize** from other sources or students (see the course outline re: plagiarism)
❖ screen captures and cut-and-pastes of published text or images are **explicitly forbidden**
   (any images or tables used must be your own drawings, while still citing sources for ideas)

Grading Scheme: 25 marks as follows.
   o 5: professional presentation (**organization**, formatting, grammar/spelling, attention to detail)
   o 5: selecting examples demonstrating principles, **and explaining how they fit the definition**
   o 3: clearly identifying the location of each example from the text, e.g., "(Sec7.2, p186)";
      for any external citations, use a separate references section and proper citation style
   o 4: self-contained explanations of the examples, including context and technical background
   o 4: technical clarity, accuracy of details, conveying an understanding, and insights
   o 4: **(final page)** relative to the book's 20 principles, suggest others that are not listed,
      and also modifications, rewordings, or regrouping of the 20 that might be useful or helpful.
      Justify and explain these suggestions.
Recommendation: As Project 1 already introduces the principles, this need NOT be done again, other than to explain how a selected example is a suitable demonstration of a given principle. Instead, include a single appendix page (beyond your 5-6 content pages) that lists each principle with a one-line summary for quick reference, e.g., "P1 (SIMPLICITY-AND-NECESSITY): …"

Format: must be PDF, **11-point font**, _avoid excessive white space, avoid wide margins_.
Length: 5-6 **single-spaced** pages of main content, excluding any cover page, references, appendix.

Underlying objective: to motivate students to carefully read and understand each chapter; and to build a concrete understanding of how generic principles are instantiated in specific instances of security mechanisms and systems. It is **_strongly recommended that students make notes for this project each week_** as chapters are covered in class, to find these examples of principles. The short page-length of this project is a challenging constraint, as you must find a way to embed content worth 25% of your term mark. _Expect a poor mark if you leave most of this to the last week before the project is due._