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Modern Embedded Software | Quantum Leaps
Embedded Systems - A Contemporary Design Tool, Peckol, James K., John Wiley & Sons, Inc., 2008. We will also use material provided on the class web page. Recommended Reading: Operating Systems Concepts, Silberschatz, Abraham and Galvan, Peter B., Addison-Wesley Publishing Co., 1994.

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Embedded Systems Design and Development Chapter 12 12.0 Introduction In this chapter, we will study the major phases of the development process for embedded systems. The more detailed aspects of that process will be explored in conjunction with the design and test of the specific hardware and software elements of the system.

Embedded Systems Design and Development Chapter 12
Unlike standard PCs, embedded systems are designed to perform a designated set of tasks. These devices are typically designed to minimize the processing cycles and reduce the memory usage, as there are no extra processing resources available. Considering this, the security solutions developed for PCs will not solve the issues of embedded devices.

6 Critical Challenges Facing the Embedded Systems Security
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