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Module 9 - Chapter 9 Exercise

Exercise 8

The first widely used web service was Simple Object Access Protocol or SOAP. SOAP is a message-passing protocol that defines marked-up data between software applications across a network. It uses XML for data formatting and operates through a set of rules including Web Services Description Language, or WSDL. to describe service features. SOAP also uses Universal Description, Discovery, and Integration, or UDDI, to locate services. SOAP is reliable, secure, and highly standardized, making it good for company applications. However, its complexity and heavy use of XML can make it more difficult to implement and slower in performance. Representational State Transfer, or REST, describes how the Web uses networking architecture to find websites and the elements that the websites. REST was founded in 2000 by Roy Fielding, and he created it as an alternative to SOAP. People tend to use REST more if they require a more simple to use system because of SOAP's complexity. However, SOAP's better security makes it more optimal for complex sites.

Source: **Electronic Commerce**

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