The organization has a small, but growing employee base, with 50 employees in one small office. It’s an online retailer of the world’s finest artisanal, hand-crafted widgets.  
  
The organization needs security measures to the following systems.

* An external website permitting users to browse and purchase widgets
* An internal intranet website for employees to use
* Secure remote access for engineering employees
* Reasonable, basic firewall rules
* Wireless coverage in the office
* Reasonably secure configuration for laptops

Strong care for privacy also has to be considered since the retail company is handling customer payment data. While the engineer still requires access to the internal website, along with remote, command line access to their workstations.

First, we need a security measure for an external website permitting users to browse and purchase widgets. To permit the users to browse and purchase widget, we have to be able to identify the user.   
Once an authentication system has been set up and the user authenticated they may be able to purchase widgets. We also need to set up HTTPS on the external website; this guarantees that the user is talking to the server they expect and that nobody else can intercept or change the content they see in transit. We can also get web security tools and test our website security, which is pen testing.