**Chapter 13 Hands-on Activities**

**Activity 1**

Firewalls are the best way to prevent unauthorized access into a system via the Internet. Create a Microsoft PowerPoint presentation that explains what a firewall is, what a firewall can do, how it can be installed and the DMZ approach. Provide a list of links to companies that supply firewalls. You may wish to conduct research online to provide you with the information you will need. Incorporate the following features into your presentation:

1. Use a design template.
2. Insert a title page.
3. Include slide numbers.

Save the file as **ch13actsol1.ppt**.

**Activity 2**

Many companies have set up business recovery plans in order to reduce the financial losses associated with system failures. While the failure of an individual PC may not have as widespread implications as that of an entire system, this failure can still cause significant financial losses.

Central to these plans are steps taken to prioritize recovery needs and choosing and implementing a recovery plan. Create a table in Microsoft Word that lists these three steps. In the second column of the table, provide the following information:

1. Prioritize the applications and files/folders on your system.
2. List steps you need to take for a personal recovery plan.
3. Create a timeline for the completion of this project.

Review your backup system. Consider whether you should try to store certain data off-site. Save the document as **ch13actsol2.doc**.

**Activity 3**

Network administrators and chief security officers confront many threats to their organization's information systems. Viruses, social engineering, blackouts and brownouts, natural disasters and hackers all pose threats to a system. New technologies have arisen to help network administrators deal with these problems. Yet a network administrator's job is not only to implement these technologies but also to establish procedures for the people using the system. These procedures can help fend off threats to the system. Create a table in Microsoft Word listing each of the security threats listed above in one row and describing all the policies the IT department could establish in order to protect the company's systems. Save this document as **ch13actsol3.doc**.