# Activity sheet 3.42: Flow charts for a new online store

*Learning outcome D: Planning and communication in digital systems*

*D1: Forms of notation*

A friend is starting a new business. The business will have an online store. Your friend has asked you to help design the online store’s processes. You will need to create some flow charts.

1. **a.** What does a terminator symbol show?

**b.** Draw a terminator symbol in the box below.

1. **a.** What does a process symbol show?

**b.** Draw a process symbol in the box below.

1. **a.** What does a decision symbol show?

**b.** Draw a decision symbol in the box below.

1. **a.** What does a data symbol show?

**b.** Draw a data symbol in the box below.

1. The steps below describe part of the password management system:
2. Ask the user to input a new password of more than five characters.
3. If the password has five or more characters, save the password.
4. If not, ask the user for another password.

Draw a flow chart for this part of the system in the box below.

Take it further

Explain how each of the following would affect the flow chart produced in response to Task 5.

1. A new password must be created every 10 weeks.
2. The new password must be at least eight characters long and contain a mixture of upper case and lower case letters, numbers and any other keyboard symbol apart from an ampersand (the & symbol).
3. A user has three attempts to create a password that meets the requirement. If they are not successful, a message is generated asking them to visit a Help page.