

## **ICS361 - Case study 1: Networking**

### **Scenario:**

You have been contracted by a public library to help them install a computer network.

The library is situated in a four story building.

The computer area, which is open to the public is on the ground floor.

The room that contains the library database server is on the first floor.

The library administrative offices are on the top floor where they have computers and an ADSL Internet connection.

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### **Assignment:**

Using the following floor plans and your knowledge design a computer network.

Your goals are to:

- link the 15 public computers together
- allow the public computers access to the library database and the Internet
- allow the library administrator computers access to the library database

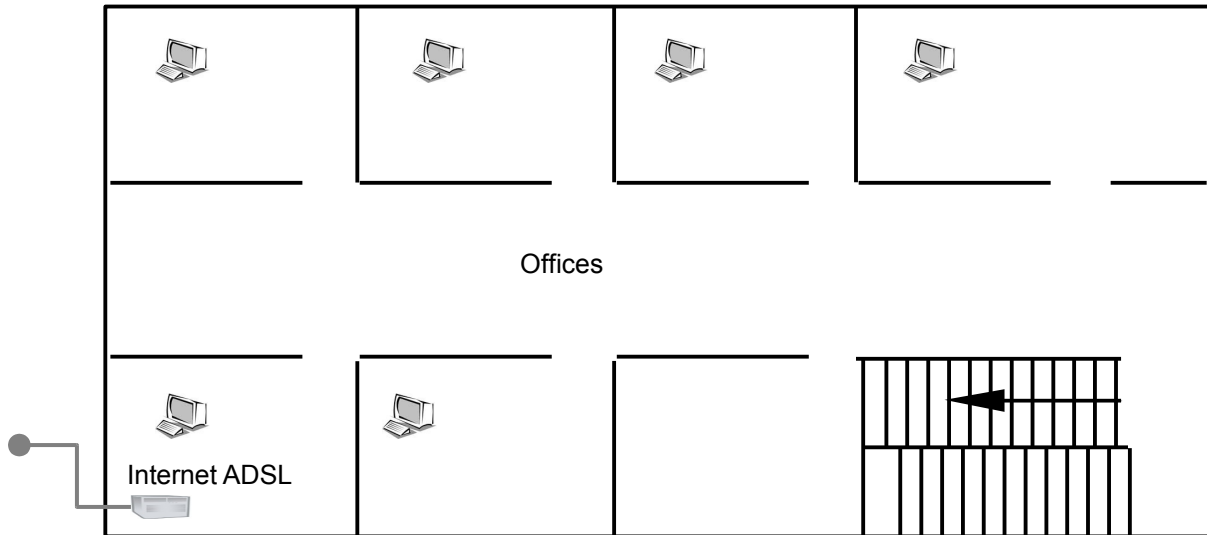
### **Report:**

In your report give details of:

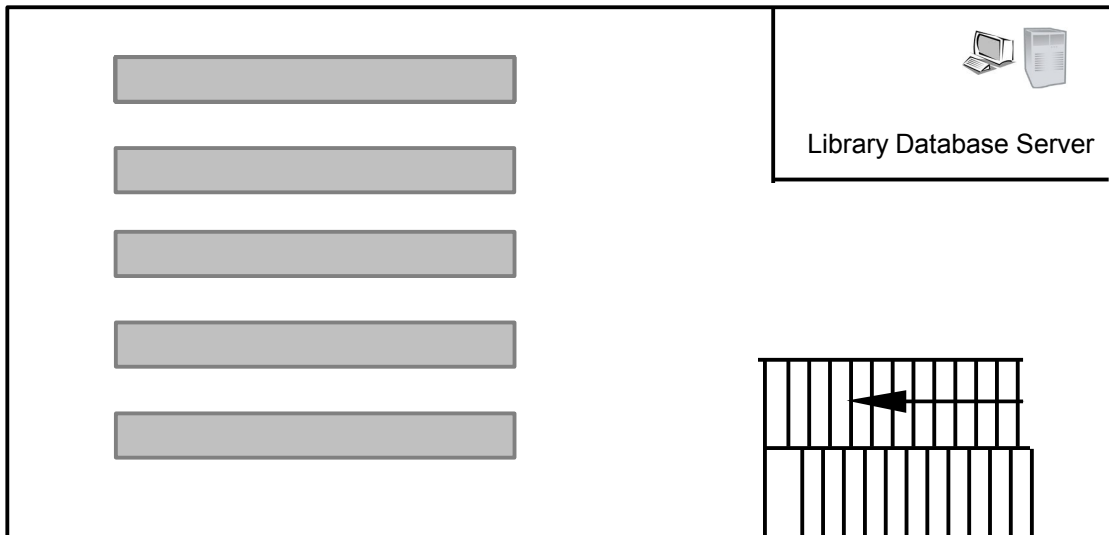
- topology
- type of cables, amount and lengths of cables
- type of networking hardware
- location of hardware
- problems that might occur during installation

Type your report and submit by email or as a hard copy. Include your student code, name and nickname.

Floor Plan – Top Floor



Floor Plan – First Floor



Floor Plan – Ground Floor

