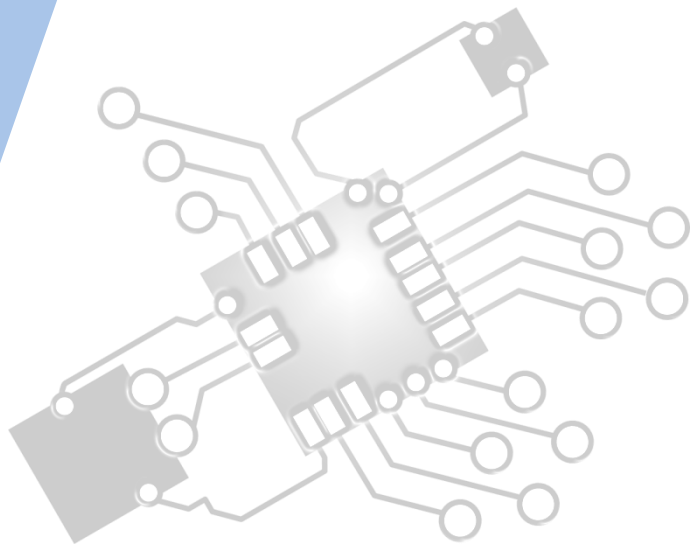
System backup

IB Computer Science



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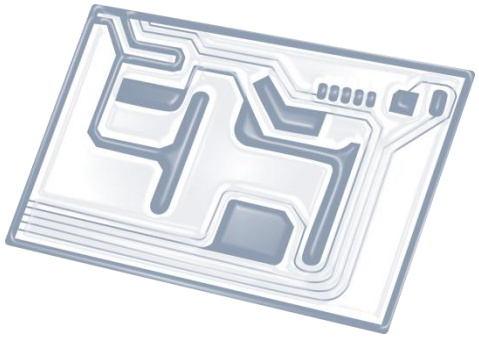
HL Topics 1-7, D1-4



1: System design

2: Computer Organisation

3: Networks

4: Computational thinking

5: Abstract data structures

6: Resource management

7: Control

D: OOP

HL & SL 1.1 Overview

Planning and system installation

1.1.1 Identify the context for which a new system is planned.

1.1.2 Describe the need for change management

1.1.3 Outline compatibility issues resulting from situations including legacy systems or business mergers.

1.1.4 Compare the implementation of systems using a client's hardware with hosting systems remotely

1.1.5 Evaluate alternative installation processes

1.1.6 Discuss problems that may arise as a part of data migration

1.1.7 Suggest various types of testing

User focus

1.1.8 Describe the importance of user documentation

1.1.9 Evaluate different methods of providing user documentation

1.1.10 Evaluate different methods of delivering user training

System backup

1.1.11 Identify a range of causes of data loss

1.1.12 Outline the consequences of data loss in a specified situation

1.1.13 Describe a range of methods that can be used to prevent data loss

Software deployment

1.1.14 Describe strategies for managing releases and updates

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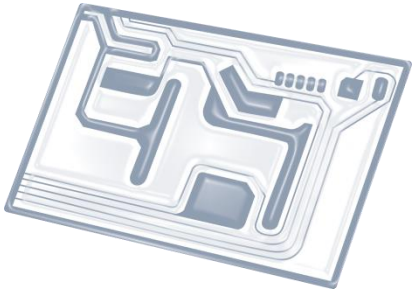

Topic 1.1.12

Outline the **consequences** of **data loss** in a specified situation

*Situational – different scenario each time

- Example: A hotel recently implemented a computerized system to manage room reservations. Reservations can be made through the web-page of the hotel or via phone. All the reservations with customer, room and reservation details are stored in a database. After a while one of the hard disks in the system fail.
- Had the hotel relied on storing reservation details only on that hard disk, all the reservations would be gone now and the hotel would have no way of knowing who had a reservation or how much each of their customers owed. They would also be unable to make more reservations until a new hard drive is acquired.