

Hong Kong Examinations and Assessment Authority
Hong Kong Advanced Level Examination 2010
ASL Computer Applications Paper 2
Project Assignment

Candidates should complete **one** of the following project assignments. Candidates should develop a prototype of the application to demonstrate the design.

Title 1: Sports Day System

- Candidates are required to design a Sports Day System for a secondary school.
- Candidates should propose functions that facilitate data management for a sports day, such as:
 - Student record management
 - Event enrolment
 - Result analysis
 - Result reporting
- Candidates should analyse the prototype and the feasibility of implementing the proposed system.
- Candidates should describe and justify the underlying database design for the system.

Title 2: Public Wi-Fi

- Candidates are required to design a public Wi-Fi project in a city in China and explain the design briefly.
- Candidates should discuss the main technologies applied in the implementation of Wi-Fi, in particular the data security technologies.
- Candidates should analyse the software and hardware requirements of a Wi-Fi system.
- Candidates should propose functions that facilitate the database management of the system, such as:
 - Wi-Fi hotspot location management
 - User authentication
 - Usage records

END OF PAPER