



Rewarding Learning

ADVANCED

General Certificate of Education

2019

Digital Technology

Case Study

Assessment Unit A2 2

assessing

Application Development

[ADT21]

**INTERNAL
ASSESSMENT**

For submission May 2019

Information for candidates

In this unit, you will have the opportunity to become involved in a real-world situation detailed in a case study. You will apply your skills, knowledge and understanding of digital technology to solve a problem for a specified client. You will apply your practical skills to produce a solution and associated detailed documentation for the client.

You can adopt a range of approaches, but your teacher will guide you in selecting an approach suitable to your particular knowledge and skills.

The case study will give you an opportunity to demonstrate your skills in:

- analysing the problem;
- designing an appropriate solution to the real-world problem;
- developing the solution;
- testing the solution;
- evaluating the solution; and
- developing user support documentation.

This is an internally assessed unit and is marked out of 120. The unit has an overall weighting of 20% (40% of A2).

City Sport

Ann owns a leisure company called City Sport, which is based on the outskirts of Belfast. City Sport has a number of facilities on offer, including a 25-metre swimming pool, a gym and steam room, as well as space to deliver classes in a range of activities such as pilates, spin, yoga and circuits. To deliver these services, Ann employs over 30 staff across a number of administration roles and coaching roles.

Before a customer can use City Sport they must register as a member (adult, junior, family etc.) or as a temporary non-member (with a trial period up to 14 days) so that an account can be created for them.

City Sport offers a number of classes each day and assign one coach to each class. Alternatively, members can book private lessons with a coach. Members can also make a group booking (minimum of 6 and maximum of 15). All classes incur costs over and above the membership fee but members receive loyalty points for each booking they make.

In addition to facilities and classes, City Sport also offers a range of sport products for sale that are sourced from a number of different suppliers. Members can purchase products by completing an order form which can be e-mailed to the business. To boost sales, Ann offers financial incentives to members such as discount on products.

To help manage City Sport more effectively, Ann has approached you, as a Digital Technology specialist, to produce an appropriate business solution for her company. You will have to carry out an in-depth analysis to identify Ann's requirements, design an appropriate solution, implement the solution and produce associated documentation.