**Unit 4 Programming Project Specification (4)**

In this project you will produce a **Runners Club system**. This system will require the following;

* capture of customer details
* creation of club membership account
* linking of customer to account
* the deposit of money into an account
* the withdrawal of money from an account
* application of 5% discount if a customer pays by Direct Debit
* the ability to subtract extras to an account
* record how many events the customer has attended
* record the customers fastest time over 5k

Customer information to be captured is:

* first name
* last name
* account ID
* account balance
* discount allowed

With this system I want to be able to create customers (runners) and assign them an account. Customers can pay money into their account and the club can take money out of the account. If the customer pays their club membership monthly fee by Direct Debit then a 5% discount must be applied. The account should allow extras (club products) to be subtracted from the account if there is enough credit available, and details need to be recorded. In addition, the system must also allow for the recording of 1) the number of events the customer has attended and 2) the customers fastest time to run 5k.

There are 3 categories of membership:

* Juniors pay £15 per month
* Members pay £35 per month
* Veterans pay £30 per month.