



Databases project

Eastwick Football Club

You are to assist the president of the Eastwick Football Club – the only football team in the country town of Eastwick (population 1755). Until now, he has managed the members' (players and officials) details manually. It has become too time-consuming because many members have left the town recently, so the president has decided to computerise the details. You have been called in to help out!

A database with the following fields is required to record details about each member:

First name, Last name, Address, Phone number, First joined, Club position, Payment per week, Membership paid, and Games played. After the data is entered, three reports are needed:

- > A data entry screen showing all the fields so that member details can be updated.
Print
- > this for one record only if your teacher requires you to.
- > A Column report showing First name, Last name, Address, Phone number, Position and
First joined. This should be sorted in alphabetical order and then printed.
- > A Column report showing First name, Last name, Payment per week, Membership paid
and Games played. Print two copies of this report:
 - one listing unpaid memberships
 - another showing how many players have played over 150 games (and hence become automatic life members of the club).

Collecting the data

Plan the field types that will be required and the different types of reports that will be needed. Create a field list diagram as shown in Exercise 1. The data for the club is at the end of this project.



Module 8 Databases

Defining the solution

Draw thumbnail sketches of the data entry screen and the different reports that you will create. Include the headings and subheadings that will be required, the fonts and sizes that you intend to use, the width of the columns or fields, how the report will be sorted and any graphics that will be used, etc. The following are examples of a data entry screen and a report.

LOGO

Company Name ← Arial, 36 pt Bold, Dark Red

Client Records ← Arial, 18 pt Bold, Dark Blue

First Name Last Name

Address

Birth Date Age

Department Donation

LOGO

Company Name ← Arial, 24 pt, Bold, Dark Red

Client Donations ← Arial, 14 pt, Bold, Dark Blue

<Current Date> ← Arial, 12 pt, Dark Blue

First Name	Last Name	Department	Donation
First Name	Last Name	Department	Donation

← Arial, 14 pt, Bold, Dark Blue

← Arial, 12 pt, Black, sorted into Department order then Last Name followed by First Name.



Module 8 Databases

Implementing

Enter the fields and create the data entry screen. Enter the data shown below. Print the data entry screen for one record only. Create the necessary reports, sort them into the required order, carry out the required searches and print copies of the reports.

Evaluating, collaborating and managing

- 1 What are the advantages in having the members' details on computer rather than manually recorded details?

- 2 How will the database make the operation of the Eastwick Football Club more:
 - a efficient?

- b effective



Project data: Eastwick Football Club

Paul	Harrison	45 Main Street Eastwick	5557 0858	125368	1988	Treasurer	–	Yes	197
Andrea	Hall	306 Longley Court Eastwick	5557 0858	521236	2004	Trainer	\$50	Yes	0
Barry	Martinez	6 Watson Street Westwick	5558 0858	623125	1976	Coach	–	No	366
Laurie	Stone	23 Hillview Road Southwick	5556 0858	521756	2013	Player	\$100	Yes	62
Ron	Knowles	96 Rose Road Westwick	5558 0855	855275	1990	Supporter	–	Yes	0
Peter	Collins	51 Rovers Lane Northwick	5555 0858	963584	2009	Player	\$80	No	173
Rex	Peters	75 Yallop Street Eastwick	5557 0858	714598	2014	Player	–	No	68
Harry	Alum	2 Jacobs Court Eastwick	5557 0858	458615	2011	Player	\$150	Yes	70
Paula	Killop	11 Williams Road Southwick	5556 0885	428694	1991	Supporter	–	No	0
Ozzie	Giles	60 South Street Eastwick	5557 0858	652536	2008	Player	–	Yes	295