## Coursework Task

## Intermediate 2 Information Systems

Valid for session 2010/2011 only

## Coursework Task

Subject:
Information Systems

## Level:

Intermediate 2

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## Introduction

## Organisation and Conditions for Assessment

## Organisation and Conditions for Assessment

The assessment is designed to test each candidate's ability to apply knowledge and understanding and practical skills, developed through study of the Database Systems and Using Information Units. The mark out of 30 should be submitted to the SQA unscaled. This will be combined with the examination mark out of 70 to establish the candidate's overall grade of award. This mark should also be used in preparation of estimate grades.

The notional design length for the assessment is 8-10 hours. However, a candidate may be allowed longer than this if required.

The assessment is to be undertaken under "open book" conditions, but under supervision by the tutor to ensure that the work submitted is the candidate's own work. The tutor may give the candidate hints and/or help if requested. Any such help should be reflected in the marks awarded. Once the task has been completed and marked, it should not be returned to the candidate for further work.

These instructions are designed to be used in conjunction with the data files provided with the electronic distribution of the task. These can be downloaded from the SQA secure website.

The files to be downloaded should include :

- The 2010/2011 Intermediate 2 Information Systems Coursework Task
- FunFitDB database
- FunFitDB Task 5-8 database
- Early bird discount spreadsheet
- Renewal Letter for mail merge
- FunFitnessLogo graphic

Candidates are not required to spend time entering data into a database. Instead, the data should be prepared beforehand and provided to candidates by the centre.

To facilitate this, database files for Microsoft Access and FileMaker Pro have been provided for this task. The files contain or represent a number of tables with data entered. The appropriate file(s) should be made available to the candidates.

Centres using alternative relational database software can use the accompanying data files, which contain tab-delimited data required for the tables. The centre should set up tables as appropriate within the database software and import the data provided. The resulting database file should then be made available to the candidates.

Two versions of a database are being supplied this year. It is essential that candidates are issued with the correct version at the appropriate times. They must not be given access to the second version until they have submitted answers to prior tasks.

Candidates should be given a copy of the marking grid before starting the task so that they are aware of the mark distribution for each part.

## Special Arrangements for Intermediate 2 Coursework 2010-2011

## Centres are asked to pay special attention to the following arrangements.

- Candidates are not required to spend time entering data into a database. Instead, the data should be prepared beforehand and provided to candidates by the centre. To facilitate this, Microsoft Access (2003 format) and Filemaker (v.7) files as well as a text (tab) delimited file have been provided. Centres using other systems will require to create both versions of the database from the tab separated file provided. This file can also be used if centres encounter any difficulties with the supplied Access or Filemaker databases.
- In a change from previous years, two versions of the database have been included. The first database contains the Membership table of the system. Candidates will be required to create the Centre table from the data dictionary and then set up the relationships between the two tables. Candidates will be required to submit a printout of the Documenter (or equivalent screen shots) of the Centre table only as evidence for Task 3. Evidence for Task 4 should also be generated from this version of the database.
- Task 3 asks candidates to print out a copy of the design of the Centre table. This is to provide evidence that the correct field types have been used and all necessary validation checks implemented. The assessor should help candidates produce this printout without penalty.
- Task 4 asks candidates to print out a copy of the relationship between the tables. The assessor should help candidates produce this printout without penalty.
- Candidates will not use their database structures to complete Tasks 5-8. Instead, centres should issue candidates with the second, fully populated database.
- The second database is a complete implementation of the system. This working database should be issued to candidates after Task 4 has been submitted. Candidates must use this working database to complete Tasks 5-8.
- Additional notes follow which detail how candidate evidence is to be generated.
o In FileMaker Pro, to get a printout of the design, candidates should adhere to the following instructions.
(1) Select the "Define" option from the File menu and then select the "Database" option from the sub-menu.
(2) Click on the Tables tab.
(3) Highlight both tables by clicking on the name of the first table then holding down the shift key and clicking on the other table.
(4) Click on the Print button.
o In MS Access, to get a printout of the design, candidates should adhere to the following instructions.
(1) Select the "Analyze" option from the Tools menu and then select the "Documenter" option from the sub-menu.
(2) Select the table(s) required and then click Options button.
(3) Make sure that the following options are checked/selected:
- Include for Table
> Properties
> Relationships
- Include for Fields
$>$ Names, Data Types, Sizes and Properties
- Include for Indexes


## Include for Eields

ONothing
ONames, Data Types, and Sizes
© Names, Data Types, Sizes, and Properties

## Include for Indexes

ONothing

- Names and Fields

ONames, Fields, and Properties
(4) Click on OK
(5) The required table design is displayed on screen and can be printed.
o Printing Relationships in FileMaker 8.
(1) Select the "Define" option from the File menu and then select the "Database" option from the sub-menu.
(2) Click on the Relationships tab then click on the Print button.
o Printing Relationships in Access
(1) Open the Relationships window.
(2) Select the "Print Relationships" option from the File menu.

Alternatively, screendumps of the evidence would also be acceptable.

## Section 1

## Coursework Task

## Intermediate 2 Information Systems <br> Coursework Task 2010/2011

Fun \& Fitness run a number of sports clubs such as swimming pools, astroturf, fitness gyms and leisure centres. Members of the public can join each sports club by buying an annual membership. After joining, each member can use the facilities or attend classes run in the club for no extra charge. In some clubs, personal trainers are available.

Fun \& Fitness store details about members of each sports club in a database.
A sample record is shown below.

| Membership number | GDA149 |
| :--- | :--- |
| Firstname | Jessica |
| Surname | Olson |
| Address | 82 Vel Street |
| Town | Allentown |
| Postcode | J0 5QW |
| Date of birth | 24/06/1954 |
| Month of renewal | October |
| Gender | F |
| Type of membership | Adult |
| Club ref | SP324 |



Fun \& Fitness decide to add the following information about each sports club to the database.

| Field Name | Field Type | Field Size | Primary Key | Sample Data |
| :--- | :--- | :--- | :--- | :--- |
| Club ref | Text | 5 | Yes | SP433 |
| Club name | Text | 25 | No | Waves |
| Location | Text | 25 | No | Brockton |
| Club type | Text | 15 | No | swimming pool |
| Date opened | Date |  | No | $12 / 04 / 1998$ |
| Personal trainer | Boolean |  | No | No |

Your teacher/lecturer will provide you with the database file FunFitDB. You must use this version to complete Tasks 1-4.

## What you have to do

|  | Tasks | Evidence Required |
| :--- | :--- | :--- |
| 1 | Open the file called FunFitDB. <br> (Using a relational database application, add a new table called <br> Centre that can be used to store information about each sports <br> club run by Fun \& Fitness. You should use the design shown on <br> the previous page. | There are four types of sports clubs - gym, astroturf, swimming <br> pool, leisure centre. Alter your table design so that the Club <br> type field has a restricted choice validation check set to allow <br> only these four options to be entered. |
| 2 | Print out a copy of your design for the Centre table. This should <br> show the field types, field sizes and validation checks. | Printout of the Centre <br> table design showing <br> field types, field sizes <br> and validation checks. |
| 3 | Link the Centre table to the Membership table by using the <br> Club ref field. <br> Print out a copy of the relationship showing the link between the <br> tables. | Printout/screendump of <br> the relationship window <br> showing the link between <br> the two tables. |
| 4 |  |  |

## You must now submit Tasks 1-4 to your teacher/lecturer

Your teacher/lecturer will provide you with the database file FunFitDB Task 5 -8. You must use this version to complete tasks 5, 6, 7 and 8

What you have to do (continued)

|  | Tasks | Evidence Required |
| :---: | :---: | :---: |
| 5 | Create a simple report/layout to display the entire contents of the Centre table. <br> Produce a one page printout using this report/layout ensuring that all fieldnames and data can be clearly seen. <br> Your name must be included in the report as a header or footer. | Printout of the Centre table report/layout. |
| 6 | Produce a printout of a report/layout showing members of sports clubs which are leisure centres whose membership is due for renewal in September. <br> The printout should display the following fields: Membership number, Firstname, Surname, Address, Town, Postcode, Club name, Club type, Type of membership and Month of renewal. <br> Save your work as Task 6. | Printout of all leisure centre members whose membership is due in September in a report/layout as specified. |
| 7 | A special discount promotion is to be offered to Student and Adult members of gyms with a personal trainer. <br> Produce a printout of a report/layout showing Adult and Student members of the gyms with a personal trainer. <br> The printout should display only the following fields: Firstname, Surname, Type of membership and Club name. <br> Save your work as Task 7. | Printout of all adult and student members of gyms with personal trainer available in a report/layout as specified. |
| 8 | Special female only training sessions are to be offered for swimming pool members. <br> Produce a printout of a report/layout showing all female swimming pool members. The report data should be listed in alphabetical order of club name. If a swimming pool has two or more members they should be listed in alphabetical order of member surname. <br> The printout should display only the following fields: Club name, Firstname and Surname. <br> Save your work as Task 8 | Sorted printout of all female swimming pool members in a report/layout as specified. |

Collect all printouts in the order they were asked for. Ensure your name and task number is printed on each report before handing to your teacher/lecturer.

Fun \& Fitness have decided to offer discounts to people who renew their membership promptly. The manager asks you to update the spreadsheet displaying the annual membership fees and the early bird discount.

|  | A | B | C |
| :---: | :--- | :---: | :---: |
| 1 | Type of Membership | Annual Membership Fee | Early Bird Discount |
| 2 | Adult | $£ 100.00$ | $£ 15.00$ |
| 3 | Senior | $£ 30.00$ |  |
| 4 | Student | $£ 50.00$ |  |
| 5 | Child | $£ 15.00$ |  |

What you have to do (continued):

|  | Tasks | Evidence Required |
| :--- | :--- | :---: |
| 9 | Note: Your teacher/lecturer will provide you with the file Early <br> Bird Discount containing the spreadsheet data. <br> Open the file called Early Bird Discount. <br> If the Annual Membership Fee is $£ 50$ or more, then a $15 \%$ <br> discount is given, otherwise $10 \%$ discount is given. <br> Enter a suitable formula in column C to automatically calculate <br> the Early Bird Discount. |  |
| 10 | Format the spreadsheet as shown above. <br> Save your work as Task 10. |  |
| 11 | Print two copies of your spreadsheet — one showing the answers <br> and another showing the formula used. <br> Your name must be included on each printout. | Two printouts of <br> spreadsheet - one <br> showing answers and one <br> showing formulas. |

The manager of Fun \& Fitness asks you to prepare a letter to be sent to all the leisure centre members whose membership is due in September.

Before completing the following tasks, make sure you have the following:

- File called renewal letter containing the text for the letter
- Results from the query in Task 6
- Table of membership fees from Task 10
- File called FunFitnessLogo
- Copy of Appendix 1


Look at Appendix 1.
It contains the standard letter to be used to send to members about their membership renewal.
The renewal letter should be personalised using the data from the database. The highlighted items should be replaced with data from the database query you created during Task 6.

The letter includes the table of membership fees you completed in Task 10.
The file containing the company logo is to be included in the letter heading.

## What you have to do (continued)

|  | Tasks | Evidence Required |
| :--- | :--- | :--- |
| 12 | Open the file called renewal letter. <br> Insert placeholders in the places shown for the personal <br> information held in the database about leisure centre members <br> whose membership is due in September. |  |
| 13 | Create the letter heading as shown in Appendix 1 by <br> - Inserting the logo supplied into the correct place and <br> typing the company name and address. <br> - Formatting the company name and address using a <br> similar font, size and style. <br> - Adding a border around the letter heading. |  |
| 14 | Add the table of membership rates you completed in Task 10 <br> into the letter in the appropriate place. |  |
| 15 | Complete the blank standard letter by <br> - Formatting the letter using similar size, style, font and <br> alignment as shown in Appendix 1. <br> Inserting your name at the bottom of the letter where <br> indicated. <br> Save as Task 15 |  |


| 16 | Print the completed letter showing the placeholders. | Printout of blank <br> standard letter. |
| :--- | :--- | :--- |
| 17 | Merge the renewal letter with the database query you created <br> during Task 6 and print the personalised letters. | Printout of personalised <br> letters for each leisure <br> centre membership due <br> for renewal in <br> September. |

Collect all printouts in the order they were asked for. Ensure your name and task number is on each printout before handing to your teacher/lecturer.

## Appendix 1



## Fun \& Fitness <br> Head Office <br> Ace Road Lowhall

Date : 15 August 2010

## Sylvia Duffy

75 Vitae Street
Lowhall
EB3 3ZM

## Membership Reference Number: QF1203

## Dear Sylvia,

It has been great having you as a member of Waves over the last year. We hope that you have enjoyed your membership and are enjoying the benefits of a healthier lifestyle.

As you are probably aware, your Senior membership is due to expire in May. If you renew your membership before the beginning of the month you are entitled to our Early Bird Discount.

The annual membership fees are outlined below.

| Type of Membership | Annual Membership Fee | Early Bird Discount |
| :--- | :---: | :---: |
| Adult | $£ 100.00$ | $£ 15.00$ |
| Senior | $£ 30.00$ | $£ 3.00$ |
| Student | $£ 50.00$ | $£ 7.50$ |
| Child | $£ 15.00$ | $£ 1.50$ |

Please complete the membership renewal form and hand it in with your payment the next time you visit Waves.

Remember, it is important that you continue to train regularly in order to achieve your fitness goals.
Regards,
(your name in here)
Fun and Fitness.

## Section 2

## Marking Information

## Marking Grid

## Name

$\qquad$ Date $\qquad$

| Topic |  | Possible <br> Marks | Marks <br> Gained | Comment |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Task 1-4 | Creation of <br> Centre Table | Creation of table | $3,2,1,0$ |  |  |
|  |  | 1,0 |  |  |  |
|  |  | 1,0 |  |  |  |


| Task 5 | Report | Report/Layout printed | 1,0 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |


| Task 6 | Search | Correct search | 1,0 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Report/Layout printed | 1,0 |  |  |


| Task 7 | Search | Correct search | $2,1,0$ |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Report/Layout printed | 1,0 |  |  |


| Task 8 | Search and Sort | Search correct | 1,0 |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Sort correct | 2,1,0 |  |
|  |  | Report/Layout printed | 1,0 |  |


| Tasks 9-11 | Spreadsheet | Calculate discount | $3,2,1,0$ |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Format spreadsheet | $2,1,0$ |  |  |
|  |  | Print | 1,0 |  |  |


|  |  | Add placeholders | 1,0 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Tasks 12-17 | Preate and format <br> Personalised <br> letter heading | $3,2,1,0$ |  |  |  |
|  |  | Insert table | 1,0 |  |  |
|  |  | $2,1,0$ |  |  |  |
|  | Merge letters | $2,1,0$ |  |  |  |


|  | Overall Total |  | 30 |  |
| :--- | :--- | :--- | :--- | :--- |

## Appendix 1

## Detailed Marking Instructions

## CONFIDENTIAL - not to be issued to candidates Detailed Marking Guidelines

The following guidelines assume that all work was carried out by the candidate on their own (or with the assistance of open book materials). Any assistance by the assessor should be reflected in a reduction of the number of marks awarded.

|  | Creation of table | $3,2,1,0$ | Accurate creation of <br> • table fields (1 mark) <br> - field types (1 mark) <br> - field sizes (1 mark) |
| :--- | :--- | :--- | :--- |
| Creation of <br> Centre Table | Restricted choice | 1,0 | Club type set to restricted choice - only <br> astroturf, gym, leisure centre, swimming pool <br> values accepted. |
|  |  | 1,0 | Tables linked without teacher help using club <br> ref - 1 mark |
|  | Link centre and <br> membership tables | 1 |  |


| Report | Report/Layout printed | 1,0 | •A one page report created/printed <br> without help. <br> • <br> All field names should be clearly visible. <br> Candidate name included in <br> header/footer. |  |
| :--- | :--- | :--- | :--- | :--- |


| Search | Correct search | 1,0 | Complex search for <br> • leisure centre members <br> $\bullet$ renewal due in September. |
| :--- | :--- | :--- | :--- |
|  | Report/Layout printed | 1,0 | Membership number, Firstname, Surname, <br> Address, Town, Postcode, Club name, Club <br> type, Type of membership and Month of <br> renewal fields included and clearly visible. |


| Search | Correct search | $2,1,0$ | Complex search for <br> • Adult or Student members <br> - gym |
| :--- | :--- | :--- | :--- |
|  | Report/Layout printed | 1,0 | Firstname, Surname, Type of membership and <br> Club name fields included and clearly visible. <br> (No penalty for including Type of <br> membership, Club type and/or Personal <br> trainer) |


| Search and Sort | Search correct | 1,0 | Complex search for <br> - Female members <br> - swimming pool. |
| :---: | :---: | :---: | :---: |
|  | Sort correct | 2,1,0 | Complex sort (2 marks) <br> - club name ascending <br> - and surname ascending <br> Simple sort - 1 mark <br> Otherwise - 0 mark |
|  | Report/Layout printed | 1,0 | Club name, Firstname, Surname fields included and clearly visible. <br> (No penalty for including Gender and/or Club type) |


| Spreadsheet | Calculate discount | 3,2,1,0 | $=\mathrm{IF}(\mathrm{B} 2>=50,15 \% * \mathrm{~B} 2,10 \% * \mathrm{~B} 2)$ <br> Replicated down column correctly. Correct condition - 1 mark Correct TRUE calculation - 1 mark Correct FALSE calculation - 1 mark <br> Other correct formulas acceptable Such as $\begin{aligned} & =(\mathrm{B} 2<50,10 \% * \mathrm{~B} 2,15 \% * \mathrm{~B} 2) \\ & =(\mathrm{B} 2>=50,0.15 * \mathrm{~B} 2,0.10 * \mathrm{~B} 2) \end{aligned}$ |
| :---: | :---: | :---: | :---: |
|  | Format spreadsheet | 2,1,0 | Correct formatting (left alignment in column A, centre alignment in column B\&C, currency with 2dp in column B\&C ) -1 mark Correct shading and text colour in row $1-1$ mark |
|  | Print 2 versions | 1,0 | One printed version showing answers to formula calculation and one printed version showing formula used all visible -1 mark |
| Personalised <br> Letters | Add placeholders | 1,0 | Insert field place holders in appropriate locations in letter - 1 mark More than one omitted or more than one error -0 marks |
|  | Create and Format Letter Heading | 3,2,1,0 | - Suitable font, style, size, alignment 1 mark <br> - Add border around heading - 1 mark <br> - Insert logo file and applied appropriate text wrap - 1 mark |
|  | Insert table | 1,0 | Inserted /Copy \& paste spreadsheet table - 1 mark |
|  | Format Letter | 2,1,0 | Suitable font, style, size, alignment <br> - Any suitable font <br> - 12/14 point size <br> - Date/address/ref no - bold style <br> - Body text fully justified <br> 3 or 4 bullet points correct - 1 mark <br> - Spaces at placeholders correct and own candidate name as sender - 1 mark |
|  | Personalised Letters | 2,1,0 | Prints personalised letters <br> - Correct data source - uses correct query results from Task 6-1 mark <br> - Print merge letters to 3 members listed in report from Task 6-1 mark |
| Total Marks |  |  |  |

## Results

## Task 5

## CENTRE - Task 5 by A.Candidate

| Club ref | Club name | Location | Club type | Date opened Pers onal trainer |  |
| :--- | :--- | :--- | :--- | :---: | :---: |
| SP107 | Well Life | Allentown | leisure centre | $14 / 06 / 2010$ | $\square$ |
| SP128 | KickAbout | Brockton | astroturf | $12 / 04 / 1998$ | $\square$ |
| SP197 | Puddles | Baldwin | swimming pool | $25 / 08 / 2005$ | $\square$ |
| SP324 | Trim | Allentown | gym | $01 / 02 / 2000$ | $\square$ |
| SP345 | Living Fit | Lowhall | leisure centre | $31 / 10 / 2006$ | $\square$ |
| SP365 | Shape Up | Baldwin | gym | $25 / 08 / 2005$ | $\square$ |
| SP433 | Waves | Brockton | Lowhall | swimming pool | $12 / 04 / 1998$ |
| SP487 | Toners |  | gym | $\square$ |  |

Task 6: 3 records
Task 6 - Leisure centre members renewal due September by A.Candidate

| Membership <br> number | Firstname | Surname | Address | Town | Postcode | Club name | Club <br> type | Type of <br> membership renewal |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| PWD105 | Ciaran | Shaffer | 14 Ligula Street | Brockton | N7D 4MR | Well Life | leisure centre | Adult | September |
| WYN158 | Scarlet | Duffy | 26 Sed Avenue | Torrington | E90 6UL | Well Life | 1eisure centre | Senior | September |
| PHP137 | Daniel | Stuart | 34 Nonummy Street | Newton | RT19 4GZ | Living Fit | 1eisure centre | Student | September |

OR

## Task 6 version 2

| Membership number | PWD105 |
| :--- | :--- |
| Firstname | Ciaran |
| Sumame | Shaffer |
| Address | 14 Ligula Street |
| Town | Brockton |
| Postcode | NTD 4MR |
| Club name | Well Life |
| Club type | leisure centre |
| Type of membership | Adult |
| Month of renewal | September |
| Membership number | WYN158 |
| Firstname | Scarlet |
| Sumame | Duffy |
| Address | 26 Sed Avenue |
| Town | Torrington |
| Postcode | E90 6UL |
| Club name | Well Life |
| Club type | leisure centre |
| Type of membership | Senior |
| Month of renewal | September |

Membership number PHP137

| Firstname | Daniel |
| :--- | :--- |
| Sumame | Stuart |

Address $\quad 34$ Nonummy Street

| Town | Newton |
| :--- | :--- |
| Postcode | RT19 4GZ |

Club name Living Fit

Club type leisure centre
Type of membership Student
Month of renewal September

Task 7: 20 records

| Firstname | Surname | Type of membership | Club name |
| :---: | :---: | :---: | :---: |
| Noelani | Vasquez | Student | Trim |
| Jessica | Olson | Adult | Trim |
| Russell | Phillips | Student | Trim |
| Fritz | Massey | Adult | Trim |
| Moana | Glover | Adult | Shape Up |
| Steven | Hogan | Adult | Trim |
| Madeson | Munoz | Student | Shape Up |
| MacKenzie | Jordan | Adult | Trim |
| Hayley | Conway | Adult | Shape Up |
| Faith | Hooper | Adult | Shape Up |
| Latifah | $V$ incent | Adult | Shape Up |
| Venus | Stafford | Adult | Trim |
| Lee | George | Student | Shape Up |
| Dai | Whitney | Adult | Trim |
| Lovis | Pope | Adult | Shape Up |
| Dary | Morin | Student | Trim |
| Jolie | Mcneil | Adult | Shape Up |
| Brooke | Tran | Adult | Shape Up |
| Kathleen | Dominguez | Student | Trim |
| Maggie | Bradley | Student | Shape Up |

Task 8: 24 records
Task 8

| Club name | Sumame | Firstname |
| :---: | :---: | :---: |
| Puddes | Barrera | Georga |
| Puddes | Blake | Kiona |
| Puddes | Church | Sage |
| Puddes | Greene | Danlis |
| Puddes | Hinton | Chartote |
| Puddles | Klein | Hille |
| Puddes | Landry | Irene |
| Puddles | Mccall | Roberta |
| Puddes | Mcgowan | Yolands |
| Puddes | Moran | Sally |
| Puddes | Schmidt | Cyntia |
| Puddes | Sparks | Ruth |
| Puddes | Stone | Chiquita |
| Waves | Anderson | Winifred |
| Waves | Buver | Josephine |
| Waves | Booker | Amity |
| Waves | Castro | Velma |
| Waves | Davemort | Inge |
| Waves | Estrada | Hamah |
| Waves | Greene | Scarlet |
| Waves | Macdonald | Jena |
| Waves | Porter | Claudis |
| Waves | Wells | Ina |
| Waves | Wood | Gillian |

Task 11
Spreadsheet with answers calculated

|  | A | B | C |
| :---: | :--- | :---: | :---: |
| 1 | Type of Membership | Annual Membership Fee | Early Bird Discount |
| 2 | Adult | $£ 100.00$ | $£ 15.00$ |
| 3 | Senior | $£ 30.00$ | $£ 3.00$ |
| 4 | Student | $£ 50.00$ | $£ 7.50$ |
| 5 | Child | $£ 15.00$ | $£ 1.50$ |

Spreadsheet with formula showing

|  | A | B | C |
| :---: | :---: | :---: | :---: |
| 1 | Type of Membership | Annual Membership Fee | Early Bird Discount |
| 2 | Adult | 100 | $=\mid F(B 2>=50, B 2 * 15 \%, B 2 * 10 \%)$ |
| 3 | Senior | 30 | $=\mid F(B 3>=50, B 3 * 15 \%, B 3 * 10 \%)$ |
| 4 | Student | 50 | $=\mid F(B 4>=50, B 4 * 15 \%, B 4 * 10 \%)$ |
| 5 | Child | 15 | $=\mid F(B 5>=50, B 5 * 15 \%, B 5 * 10 \%)$ |

## Task 12：placeholders（printed at task 15）

Fun \＆Fitness
Head Office
Ace Road
Lowhall
Date： 15 August 2010
（Firstname＂）＂Sumame＂
（Address）＂
«Town》）
（＂Postcode）

## Membership Reference Number：《Membership＿numben）

## Dear «Firstname»，

It has been great having you as a member of «Club＿name» over the last year．We hope that you have enjoyed your membership and are enjoying the benefits of a healthier lifestyle．

As you are probably aware，your «Type＿of membership» membership is due to expire in《Month＿of＿renewal）．If you renew your membership before the beginning of the month you are entitled to our Early Bird Discount．

The arnual membership fees are outlined below．
Please complete the membership renewal form and hand it in with your payment the next time you visit ＂Club name＂．

Remember，it is important that you continue to train regularly in order to achieve your fitness goals．
Regards，
（your name in here）
Fun and Fitness


## Date: 15 August 2010

Ciaran Shaffer
14 Ligula Street
Brockton
N7D 4MR

## Membership Reference Number: PWD105

## Dear Ciaran.

It has been great having you as a member of Well Life over the last year. We hope that you have enjoyed your membership and are enjoying the benefits of a healthier lifestyle.

As you are probably aware, your Adult membership is due to expire in September. If you renew your membership before the beginning of the month you are entitled to our Early Bird Discount.

The annual membership fees are outlined below.

| Type of Membership | Annual Membership Fee | Early Bird Discount |
| :--- | :---: | :---: |
| Adult | $£ 100.00$ | $£ 15.00$ |
| Senior | $£ 30.00$ | $£ 3.00$ |
| Student | $£ 50.00$ | $£ 7.50$ |
| Child | $£ 15.00$ | $£ 1.50$ |

Please complete the membership renewal form and hand it in with your payment the next time you visit Well Life.

Remember, it is important that you continue to train regularly in order to achieve your fitness goals.

Regards,

## A Candidate

Fun and Fitness

Fun \& Fitness Head Office Ace Road Lowhall

## Date: 15 August 2010

Scarlet Duffy
26 Sed Avenue
Torrington
E90 6UL

## Membership Reference Number: WYN158

## Dear Scarlet

It has been great having you as a member of Well Life over the last year. We hope that you have enjoyed your membership and are enjoying the benefits of a healthier lifestyle.

As you are probably aware, your Senior membership is due to expire in September. If you renew your membership before the beginning of the month you are entitled to our Early Bird Discount.

The annual membership fees are outlined below.

| Type of Membership | Annual Membership Fee | Early Bird Discount |
| :--- | :---: | :---: |
| Adult | $£ 100.00$ | $£ 15.00$ |
| Senior | $£ 30.00$ | $£ 3.00$ |
| Student | $£ 50.00$ | $£ 7.50$ |
| Child | $£ 15.00$ | $£ 1.50$ |

Please complete the membership renewal form and hand it in with your payment the next time you visit Well Life.

Remember, it is important that you continue to train regularly in order to achieve your fitness goals.

Regards,

## A Candidate

Fun and Fitness

## Fun \& Fitness Head Office Ace Road Lowhall

## Date: 15 August 2010

Daniel Stuart
34 Nonummy Street
Newton
RT19 4GZ

## Membership Reference Number: PHP137

## Dear Daniel

It has been great having you as a member of Living Fit over the last year. We hope that you have enjoyed your membership and are enjoying the benefits of a healthier lifestyle.

As you are probably aware, your Student membership is due to expire in September. If you renew your membership before the beginning of the month you are entitled to our Early Bird Discount.

The annual membership fees are outlined below.

| Type of Membership | Annual Membership Fee | Early Bird Discount |
| :--- | :---: | :---: |
| Adult | $£ 100.00$ | $£ 15.00$ |
| Senior | $£ 30.00$ | $£ 3.00$ |
| Student | $£ 50.00$ | $£ 7.50$ |
| Child | $£ 15.00$ | $£ 1.50$ |

Please complete the membership renewal form and hand it in with your payment the next time you visit Living Fit.

Remember, it is important that you continue to train regularly in order to achieve your fitness goals.

Regards,

## A Candidate

Fun and Fitness

