

## Higher Information Systems

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### 2005 q.2 Relational Databases Data Dictionaries

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The data dictionary shown below represents the completed team entity. It has a number of missing entries which are highlighted as A, B, C, D, E and F.

a. State a suitable entry for each of the missing values.

Name	Data Type	Validation	Required	Key
team name	Text (25)	C	Y	PK
sport	Text (20)		Y	
coach name	Text (30)	D	Y	F
day	A	E	Y	
time	B		Y	

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### 2006 q.6 Relational Databases Data Dictionaries

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What is the purpose of a *data dictionary*? (2)

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### 2007 14b Relational Databases Data Dictionaries

The forms shown below are used to enter holiday details into the database.

The data dictionary shown below represents the Holiday entity. It has a number of missing entries which are highlighted as A, B, C, D, E, F and G. With reference to the forms shown above, state a suitable entry for each of the seven missing values. (7)

Strathcraig Holidays	
Holiday ID	<input type="text" value="689656423DK"/>
Duration (Nights)	<input checked="" type="radio"/> 3 <input type="radio"/> 7 <input type="radio"/> 10 <input type="radio"/> 14 <input type="radio"/> 21
Date	<input type="text" value="21/06/2007"/>
Price	<input type="text" value="89.99"/>
All Inclusive	<input type="checkbox"/>
Hotel ID	<input type="text" value="62214"/>

Strathcraig Holidays	
Holiday ID	<input type="text" value="2356421358C"/>
Duration (Nights)	<input type="radio"/> 3 <input type="radio"/> 7 <input type="radio"/> 10 <input type="radio"/> 14 <input checked="" type="radio"/> 21
Date	<input type="text" value="21/06/2007"/>
Price	<input type="text" value="12999.00"/>
All Inclusive	<input checked="" type="checkbox"/>
Hotel ID	<input type="text" value="98652"/>

Name	Data Type	Validation	Required	Key
Holiday ID	A		Y	PK
Duration (Nights)	B	D	Y	
Date	Date		Y	
Price	Real	E	Y	
All inclusive	C		Y	
Hotel ID	Integer	F	Y	G

### 2008P q.7 Relational Databases Data Dictionaries

What is the purpose of a data dictionary? (1)

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### 2009 14b Relational Databases Data Dictionaries

The data entry forms shown below are used to enter pet details into the database.

The following data dictionary represents the Pet entity. It has a number of missing entries which are highlighted as A, B, C, D, E, F and G. With reference to the data entry forms, state a suitable entry for each of the seven missing values. **(7)**

PETS & VETS	
Pet ID	AB72105
Name	Sevvy
Type	Dog
Date of Birth	15 October 1999
Gender	<input type="radio"/> Male <input checked="" type="radio"/> Female
Photo	
Owner ID	5972
Insurance	<input checked="" type="checkbox"/>

PETS & VETS	
Pet ID	CC33107
Name	Goldie
Type	Hamster
Date of Birth	
Gender	<input type="radio"/> Male <input type="radio"/> Female
Photo	
Owner ID	5972
Insurance	<input checked="" type="checkbox"/>

Name	Data Type	Validation	Required	Key
Pet ID	A		Y	PK
Pet name	Text		Y	
Type	Text		Y	
Date of birth	B	E	N	
Gender	Text	F	N	
Photo	C		N	
Owner ID	Integer	G	Y	FK
Insurance	D		Y	

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### 2009P q.16b Relational Databases Data Dictionaries

Stenhive High School Library uses a relational database. The data is held in the following tables.

The data dictionary below represents the BOOK entity. It has a number of missing entries which are highlighted as A, B, C, D and E. With reference to the entities shown state a suitable entry for each of the FIVE missing values. **(5)**

#### **Book**

##### ISBN

Title

Author name \*

Category

Publisher

Cost of book

Number of copies

#### **Loan**

##### Loan ID

ISBN \*

Pupil ID \*

Date of loan

Number of days

Overdue (y/n)

#### **Author**

##### Author name

Nationality

#### **Pupil**

##### Pupil ID

Pupil name

Class

Times overdue

Amount of fines overdue

<b>Name</b>	<b>Data type</b>	<b>Validation</b>	<b>Required</b>	<b>Key</b>
ISBN	<b>A</b>		Y	PK
Title	Text		Y	
Author name	Text	<b>B</b>	Y	<b>C</b>
Category	Text		Y	
Publisher	Text		Y	
Cost of book	Currency		Y	
No of copies	<b>D</b>	<b>E</b>	Y	