

Data Dictionary of IMGD Resources Library(IRL)

Software relation: Stores details of all software

Attribute Name	Description	Data Type and Length	Constraint	Null Value
SoftwareID	Unique identifier of each software	int	Primary Key	No
Title	Title of software	varchar(50)		No
Publisher	Publisher of software	varchar(50)		No
Version	Version of software	char(10)		No
PricePerLicenseCopy	Price per license copy of software	decimal(6,2)		No
NumberBought	Amount of license copies bought	int		No
DatePurchased	Date that software license was purchased	date		No

Category relation: Stores details of all categories

Attribute Name	Description	Data Type and Length	Constraint	Null Value
CategoryID	Unique identifier of each category	int	Primary Key	No
Name	Name of category	varchar(50)		No

Notebook relation: Stores details of all notebooks

Attribute Name	Description	Data Type and Length	Constraint	Null Value
SerialNumber	Unique identifier of each notebook	int	Primary Key	No
Make	Make of notebook	varchar(50)		Yes
Model	Model of notebook	varchar(50)		Yes
Processor	Processor of notebook	varchar(50)		Yes
HardDickCapacity	Hard disk capacity of notebook	char(10)		Yes
RAM	RAM of notebook	char(10)		Yes
OperatingSystem	Operating system of notebook	varchar(50)		Yes

Students relation: Stores details of all students

Attribute Name	Description	Data Type and Length	Constraint	Null Value
StudentID	Unique identifier of each student	int	Primary Key	No
Name	Name of student	varchar(50)		No
ContactNumber	Contact number of student	char(10)		Yes
School	School student is attending	varchar(50)		No
YearEnrolled	Year student enrolled	int		No

Project relation: Stores details of all projects

Attribute Name	Description	Data Type and Length	Constraint	Null Value
ProjectNumber	Unique identifier of each project	int	Primary Key	No
Title	Title of project	varchar(50)		No
ShortDescription	Description of project	varchar(100)		Yes
StartDate	Date that project starts	date		No
CompletionDate	Date that project is completed	date	CompletionDate must be later than StartDate	No
Budget	Budget allocated for project	decimal(8,2)		Yes
Company	Name of company	varchar(50)		No
HoursSpentByLecturers	Hours lecturer spent on project	int		No

Lecturers relation: Stores details of all lecturers

Attribute Name	Description	Data Type and Length	Constraint	Null Value
StaffID	Unique identifier of each lecturer	int	Primary Key	No
Name	Name of lecturer	varchar(50)		No
DateJoined	Date when lecturer joined	date		No
OfficeLocation	Location of lecturer's office	varchar(50)		no
ContactNumber	Contact number of lecturer	char(10)		Yes