

BTEC Level 1/Level 2 First Certificate in Information and Creative Technology

Unit 10: Database Development

Assignment: 3

Develop and Review a Database Solution

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Date:

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Introduction

User Requirements and Intended Purpose for the Database

How the Database was Developed

Screen Prints of the Developed Database with Annotations/Explanations

Tables - Design View to show Data Types and Field Properties

Field Name	Data Type	Field Size	255	100
GameID	Short Text	Format		
GameTitle	Short Text	Input Mask		
NoInStock	Number	Caption	Game ID	Game Title
GameDeveloper	Short Text	Default Value		
ReleaseDate	Date/Time	Validation Rule		Is Not Null
ConsoleRef	Short Text	Validation Text		Please Input Game Title
		Required	Yes	No
		Allow Zero Length	Yes	Yes
		Indexed	Yes (No Duplicates)	No
		Unicode Compression	No	No
		IME Mode	No Control	No Control
		IME Sentence Mode	None	None
		Text Align	General	General
Field Size	Integer	Field Size	45	255
Format		Format		
Decimal Places	Auto	Input Mask		
Input Mask		Caption	Game Developer	Console Reference Key
Caption	Stock Count	Default Value		
Default Value		Validation Rule	Is Not Null	Is Not Null
Validation Rule	Is Not Null	Validation Text	Please Input Game Developer	Please Input Console Reference Key
Validation Text	Please Input Stock Count	Required	No	No
Required	No	Allow Zero Length	Yes	Yes
Indexed	No	Indexed	No	No
Text Align	General	Unicode Compression	No	No
Format		IME Mode	No Control	No Control
Input Mask		IME Sentence Mode	None	None
Caption	Game Release Date	Text Align	General	General
Default Value				
Validation Rule	Is Not Null			
Validation Text	Please Input Game's Release Date			
Required	No			
Indexed	No			
IME Mode	No Control			
IME Sentence Mode	None			
Text Align	General			
Show Date Picker	For dates			

This is the the tblGames table and the properties of each field. Including caption, validation, and size.

Field Name	Data Type	Field Size	255	25
ConsoleRef	Short Text	Format		
ConsoleName	Short Text	Input Mask		
		Caption	Console Reference Key	Console Name
		Default Value		
		Validation Rule		Is Not Null
		Validation Text		Please Input a Console Name
		Required	Yes	No
		Allow Zero Length	Yes	Yes
		Indexed	Yes (No Duplicates)	No
		Unicode Compression	No	No
		IME Mode	No Control	No Control
		IME Sentence Mode	None	None
		Text Align	General	General

This is the design view of the tblConsole table and the properties for each field. Including the captions, validation, and size of each of the fields.

Tables - Datasheet View (Extracts)

	Console Reference Key ▾	Console Name ▾
+	360	Xbox 360
+	GaC	Game Cube
+	GBC	Nintendo Game Boy Color
+	N3G	Nintendo 3DS games
+	NES	Nintendo Entertainment Sy
+	NGB	Nintendo Game Boy
+	One	Xbox One
+	PC	PC
+	PS1	Sony Playstation
+	PS2	Sony Playstation 2

This is an extract the datasheet view of the tblConsole table.

Game ID ▾	Game Title ▾	Stock Count ▾	Game Developer ▾	Game Release Date ▾	Console Reference Key ▾
1	Stronghold 2	1	Firefly Studios	18/04/2005	PC
10	Supreme Commander	1	Hellbent Games	12/09/2008	360
100	Grand Theft Auto: San Andreas[339]	3	Rockstar North	01/12/2015	PS3
101	Midnight Club: Los Angeles[485]	3	Rockstar San Diego	21/10/2008	PS3
102	Red Dead Redemption[635]	5	Rockstar San Diego	18/05/2010	PS3
103	Max Payne 3[471]	2	Rockstar Vancouver	15/05/2012	PS3
104	Batman: Arkham Asylum[80]	4	Rocksteady Studios	25/08/2009	PS3
11	Digimon Rumble Arena 2	1	Bandai	15/10/2004	GaC
12	Act of War: Direct Action	1	Eugen Systems	15/03/2005	PC
13	Act of War: High Treason	3	Eugen Systems	24/03/2006	PC
14	Rollers of the Realm	1	Phantom Compass	26/11/2014	PS4
15	Wallace & Gromit in Project Zoo	4	Frontier Developments	03/10/2003	GaC
16	Warhammer 40,000: Eternal Crusade	4	Behaviour Int.	08/07/1905	PS4
17	Warhammer 40,000: Eternal Crusade	3	Behaviour Interactive	23/09/2016	One
18	Elder Scrolls Online	5	ZeniMax Online Studios	09/06/2015	One
19	Elder Scrolls Online	5	ZeniMax Online Studios	09/06/2015	PS4
2	Stronghold Legends	5	Firefly Studios	13/10/2006	PC
20	StarCraft	1	Blizzard Entertainment	31/03/1998	PC
21	StarCraft II: Heart of the Swarm	1	Blizzard Entertainment	12/03/2013	PC
22	StarCraft II: Wings of Liberty	1	Blizzard Entertainment	27/07/2010	PC
23	StarCraft: Brood War	5	Blizzard Entertainment Saffire	31/03/1998	PC

This is an extract from the tblGames datasheet view.

Sorting Records - Using a Single Field

Game ID	Game Title	Game Developer	Game Release Date
26	World of Warcraft	Blizzard Entertainment	23/11/2004
29	World of Warcraft: The Burning Crusade	Blizzard Entertainment	15/01/2007
31	World of Warcraft: Wrath of the Lich King	Blizzard Entertainment	13/11/2008
27	World of Warcraft: Cataclysm	Blizzard Entertainment	07/12/2010
28	World of Warcraft: Mists of Pandaria	Blizzard Entertainment	25/07/2012
30	World of Warcraft: Warlords of Draenor	Blizzard Entertainment	01/01/2014

ReleaseDate

tblGames

Ascending

The above image depicts a query with a descending field sort and the design of the field being sorted. It was decided to sort in a ascending order to give the evolution of the series.

Sorting Records - Using Multiple Fields

Data Entry Forms - Design and Form Views

Reports - Design and Report Views



Test Plan/Log

Test No.	Test	Object Name	Expected Result	Actual Result	Pass/Fail	Changes Made
1	Closing the database (Command Button)	frmInterface	Microsoft Access Closes	Microsoft Access Closed	pass	n/a
2	Opening 'PC Games' query (Macro Button)	frmInterface	The query should open in 'Read Only' mode	The query opened in 'Read Only' mode	pass	n/a
3	Testing 'Console Name' data validation	frmConsole	When attempting to input a blank field, should open a dialogue box	Dialogue box prompting data input opened.	pass	n/a
4	Opening print view in W.O.W series report (macro Button)	rptSeriesWOW	The print preview screen should be shown.	print preview of the report opened without fault.	pass	n/a
5	Opening report 'rptStockThreeBel ow' (Macro Button)	frmInterface	The report should open in report view.			
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7						
8						
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Changes Made to the Database Following Testing

Explanations and Screenprints

How the Final Database Meets the User Requirements and Intended Purpose

References

Source Name:	
Page Numbers/Web link:	
Date Accessed:	

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