

Wicked Games

Structure of a database management system (DBMS)

Extension Activity

**Wicked Games**

Wicked Games is an Australian video game and entertainment software retailer, owned by Dexter, located in Melbourne, Victoria.

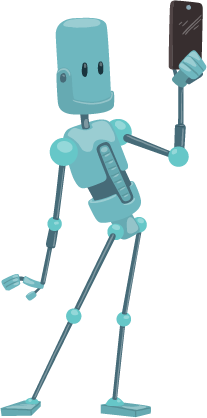
Wicked Games sells video games, consoles, and accessories for

* PlayStation
* Xbox
* Wii
* PC
* Nintendo

Customers can also purchase games online from the Wicked Games website.

**Database Management System**

To assist managing stock, Wicked Games would like to create a database management system that will store the details of each game.



To assist in the design of the database the following sample data is provided.

**tblGames**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **GameID** | **Title** | **Platform** | **Style** | **Release Date** | **Price$** | **Pre-Order?** | **Number** |
| 1 | Fallout 4 | PC | Strategy | 10/11/2015 | $84.95 | Yes | 4 |
| 2 | Guitar Hero Live | Xbox | Music | 01/10/2015 | $149.95 | No | 3 |
| 3 | Just Dance 2016 | Wii | Music | 01/10/2015 | $59.95 | No | 6 |
| 4 | Assassin’s Creed | PlayStation | Action | 23/10/2015 | $149.95 | Yes | 3 |
| 5 | Halo 5: Guardians | Xbox | Shooter | 27/10/2015 | $329.95 | Yes | 10 |
| 6 | W2K16 | PlayStation | Sport | 29/10/2015 | $99.95 | Yes | 4 |
| 7 | Snoopy’s Grand Adventure | PlayStation | Adventure | 05/11/2015 | $59.95 | Yes | 50 |
| 8 | Call of Duty: Black Ops III | PlayStation | Shooter | 06/11/2015 | $109.95 | Yes | 7 |
| 9 | Mario Tennis | Wii | Sport | 21/11/2015 | $79.95 | Yes | 8 |
| 10 | The Sims 4 | PC | Simulation | 01/10/2015 | $49.95 | No | 1 |

**Required**

**1. Create** a new DBMS file.

**2. Save** the file as Wicked Games.

**3. Create** the structure for the tblGames table.

**4. Create** and **format** a form to input the data into the table.

**5. Input** the data shown into the table **using** the form.

**6. Create** SQL queries to perform the following:

**a) Select** all of the fields from the tblGames table.

**b) Select** the Title and the Price$ where the Price$ is   
greater than $99.95.

**c) Select** the Style and Number, **calculate** the sum of Number and group by Style.

**d) Select** all fields and calculate the TotalPrice (Price$ \* Number) for each record.

**7. Create** a report for at least one of the queries, but preferably for all of the queries.

Wicked!