**Entidades-Cardinalidad**

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| --- | --- | --- | --- | --- | --- |
| **Entidades** | **Usuario** | **Producto** | **Imagen** | **Video** | **Categoría** |
| **Usuario** | **Mensajea**  **M-M** | **Compra**  **M-M**  **Comenta**  **M-M** | **X** | **X** | **X** |
| **Producto** | **Compra**  **M-M**  **Comenta**  **M-M** | **X** | **Tiene**  **1-M** | **Tiene**  **1-1** | **Pertenece**  **M-1** |
| **Imagen** | **X** | **Tiene**  **M-1** | **X** | **X** | **X** |
| **Video** | **X** | **Tiene**  **1-1** | **X** | **X** | **X** |
| **Categoría** | **X** | **Pertenece**  **1-M** | **X** | **X** | **X** |

**Usuario**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **id\_usuario** | **Unique, Not null, Primary key, Auto increment** | **Int** |
| **nombre** | **Not null** | **Varchar** |
| **Apellido** | **Not null** | **Varchar** |
| **Username** | **Unique, Not null** | **Varchar** |
| **Correo** | **Not null, Unique** | **Varchar** |
| **Contraseña** | **Not null** | **Varchar** |
| **Teléfono** |  | **int** |
| **Foto\_Perfil** | **Not null** | **BLOB** |
| **Dirección** |  | **Varchar** |

**Mensaje**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Mensaje\_Id** | **Unique, Not null, Primary key, Auto increment** | **Int** |
| **Mensaje** | **Not null** | **varchar** |
| **Remitente** | **Not null, Foreign key** | **Int** |
| **Destinatario** | **Not null, Foreign key** | **Int** |
| **Fecha** |  | **Datetime** |

**Compra**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Compra\_Id** | **Unique, Not null, Primary key, Auto increment** | **Int** |
| **Fecha** |  | **Datetime** |
| **Estado** |  | **Varchar** |
| **Forma de pago** |  | **Varchar** |
| **Producto\_id** | **Unique, Not null, Foreign key** | **Int** |
| **Usuario\_id** | **Unique, Not null, Foreign key** | **Int** |

**Comentario**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Comentario\_Id** | **Unique, Not null, Primary key, Auto increment** | **Int** |
| **Fecha** |  | **Datetime** |
| **Comentario** | **Not null** | **Varchar** |
| **Producto\_id** | **Unique, Not null, Foreign key** | **Int** |
| **Usuario\_id** | **Unique, Not null, Foreign key** | **Int** |

**Producto**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Producto\_id** | **Unique, Not null, Primary key, Auto increment** | **Int** |
| **Nombre** | **Not null** | **Varchar** |
| **Estado** |  | **Varchar** |
| **Unidades** |  | **int** |
| **Descripción** |  | **Varchar** |
| **Calificacion** |  | **int** |
| **Categoría\_id** | **Unique, Not null, Foreign key** | **int** |

**Categoría**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Categoría\_id** | **Unique, Not null, Primary key, Auto increment** | **Int** |
| **Nombre** | **Not null** | **varchar** |

**Video**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Video\_id** | **Unique, Not null, Primary key, Auto increment** | **int** |
| **Video** | **Not null** | **Blob** |
| **Producto\_id** | **Foreign key** | **int** |

**Imagen**

|  |  |  |
| --- | --- | --- |
| **Campo:** | **Restricción:** | **Tipo** |
| **Imagen\_id** | **Unique, Not null, Primary key, Auto increment** | **int** |
| **Imagen** | **Not null** | **Blob** |
| **Producto\_id** | **Foreign key** | **int** |