**Database Documentation**

**Overview database schema**

Diagram

Description automatically generated

**Table details**

* **Slider and SliderType**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Slider** | | | | | | |
| **#** | **Key** | **Name** | **Type** | **Nullable** | **Default** | **Description** |
| 1 | PRIMARY KEY | **Id** | INT IDENTITY | FALSE |  | Primary key for Slider records. |
| 2 |  | **Title** | NVARCHAR(150) | TRUE |  | Title for slider item. |
| 3 |  | **Subtitle** | NVARCHAR(250) | TRUE |  | Giving more info about the article and slider itself. |
| 4 |  | **Description** | NVARCHAR(1000) | TRUE |  | Short description for slider item. |
| 5 |  | **Image** | VARCHAR(MAX) | FALSE |  | Url to the image or Base64 encoded image that shows up at a slider item. |
| 6 |  | **Url** | VARCHAR(250) | TRUE |  | Url to the post. |
| 7 |  | **Ordering** | INT | TRUE | 0 | Each item in a slider will have an ordering value for sorting purposes. |
| 8 | FOREIGN KEY | **Type** | INT | FALSE |  | Represent different types of sliders. Foreign key to SliderType.Id |
| 9 |  | **CreatedTime** | DATETIME | FALSE |  | Date and time the record was created. |

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| **SliderType** | | | | | | |
| **#** | **Key** | **Name** | **Type** | **Nullable** | **Default Value** | **Description** |
| 1 | PRIMARY KEY | **Id** | INT IDENTITY | FALSE |  | Primary key for SliderType records. |
|  |  | **Title** | NVARCHAR(150) | TRUE |  | The Title field represents different types of sliders. |
| 2 |  | **Description** | NVARCHAR(500) | TRUE |  | Short Description for each slider type. |

Note:

* Two tables above have a connection between the Type field in Slider and SliderType.Id. With different types of SliderType, developers can have control over how a slider can show up to the user. This can be whether a field in Slider should be displayed on the website.
* We use ordering value as a sorting index, this way a slider item can be positioned in different custom orders.
* **Post and PostType**

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| --- | --- | --- | --- | --- | --- | --- |
| **Post** | | | | | | |
| **#** | **Key** | **Name** | **Type** | **Nullable** | **Default Value** | **Description** |
| 1 | PRIMARY KEY | **Id** | INT IDENTITY |  |  | Primary key for Post records. |
| 2 |  | **Title** | NVARCHAR(150) | FALSE |  | Title for Post |
| 3 |  | **ShortDescription** | NVARCHAR(500) | FALSE |  | Short information from the post inside. |
| 4 |  | **FullDescription** | NVARCHAR(MAX) | FALSE |  | Full post content. |
| 5 |  | **Image** | VARCHAR(MAX) | FALSE |  | Url to the image or Base64 encoded image that shows up at the blog item. |
| 6 |  | **Url** | VARCHAR(250) | FALSE |  | Url to the blogpost |
| 7 | FOREIGN KEY | **Type** | INT | FALSE |  | Represent different types of posts (Ex: News/Report/Product). Foreign key to PostType.Id. |
| 8 |  | **CreatedTime** | DATETIME | FALSE |  | Date and time the record was created. |
| 9 |  | **Author** | NVARCHAR(30) | FALSE | ‘Admin’ | Writer's name. |

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| --- | --- | --- | --- | --- | --- | --- |
| **PostType** | | | | | | |
| **#** | **Key** | **Name** | **Type** | **Nullable** | **Default Value** | **Description** |
| 1 | PRIMARY KEY | **Id** | INT IDENTITY | FALSE |  | Primary key for PostType records. |
| 2 |  | **Title** | NVARCHAR(150) | TRUE |  | Title represent different types of posts. |

Note:

* Image field contains a URL to the online image in general, but in some cases, it must be able to hold a base64 encoded image value. So it is recommended to use VARCHAR(MAX) in this case.
* **ContactTable**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Contact** | | | | | | |
| **#** | **Key** | **Name** | **Type** | **Nullable** | **Default Value** | **Description** |
| 1 | PRIMARY KEY | **Id** | INT IDENTITY | FALSE |  | Primary key for Contact Table records. |
| 2 |  | **Name** | NVARCHAR(100) | FALSE |  | Name of the sender. |
| 3 |  | **Subject** | NVARCHAR(150) | FALSE |  | Subject or title for customer letters |
| 4 |  | **Email** | NVARCHAR(100) | FALSE |  | Email of the sender. |
| 5 |  | **Phone** | VARCHAR(20) | TRUE |  | Phone number of the sender. |
| 6 |  | **Description** | NVARCHAR(500) | FALSE |  | Full content of the letter. |
| 7 |  | **CreatedTime** | DATETIME | FALSE |  | Date and time the record was created. |

Note:

* On our home page, we have a form where we can get feedback or requests from customers or partners. Name, Subject, Email, and Description are mandatory to have.