Blog Website System

Project Owner

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Summary

What is your project?

Basically, A Blog Website. This website contains different categories and different type of articles. It have an admin panel so users or authors can manage (add, delete, update) the contents. Additionally, readers can comment under the contents.

What can be the necessary files?

Articles, eventually!

Who can use such a database?

Internet users who would you like to read great articles.

How much data you need?

It will be updated weekly but in beginning there will be 1 article for every category.

How can you connect them?

Could you summarize the probable associations?

What are you tables?

Website have 5 table: Category, Content, User, UserContent and Contact. Tables connected to each other by foreign keys. Content table connected to Category, User table connected to Content table by external table which name is UserContent and Contact table connected to Content table.

Requirement Analysis

What are your constraints? List them one by one

Contact Table

ContactId- PK - IDENTITY(1,1) - NOT NULL

ContentId- FK REFERENCES Content(ContentId)

Content Table

ContentId- PK- IDENTITY(1,1) - NOT NULL

CategoryId- FK REFERENCES Category(CategoryId)

Category Table

CategoryId- PK - IDENTITY(1,1) - NOT NULL

UserContent Table

UserId - FK REFERENCES User(UserId)

ContentId - FK REFERENCES Content(ContentId)

User Table

UserId- PK - IDENTITY(1,1) - NOT NULL

Cardinality
How did you do that? Explain table by table according to your relations?

Category table may have many Content, Content may has only one Category.
Content table may have many Contact information but Contact may belong to only one content.
Also Content and User tables have many UserContent. In this table stores articles and theirs authors.

BLOG WEBSITE E/R MODEL

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Content
- ContentId;int
- CategoryId;tinyint
- ContentText;nvarchar(MAX)
- ContentTitle;varchar(30)
- ContentImage;varchar(MAX)
- ContentAuthor;nvarchar(50)
- ContentDate;datetime

UserContent
- U_ContentID;int
- UserId;tinyint
- Contentd;int

User
- UserId;tinyint
- Name;varchar(MAX)
- Lastname;varchar(MAX)
- Email;varchar(MAX)
- Username;varchar(MAX)
- Password;varchar(MAX)

Category
- CategoryId;tinyint
- CategoryName;varchar(15)
- CategoryDesc;nvarchar(MAX)
- CategoryImage;varchar(MAX)

Contact
- ContactId;int
- ContentId;int
- Name;varchar(MAX)
- Email;varchar(MAX)
- Message;nvarchar(MAX)
- Date;datetime

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