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1. Introduction

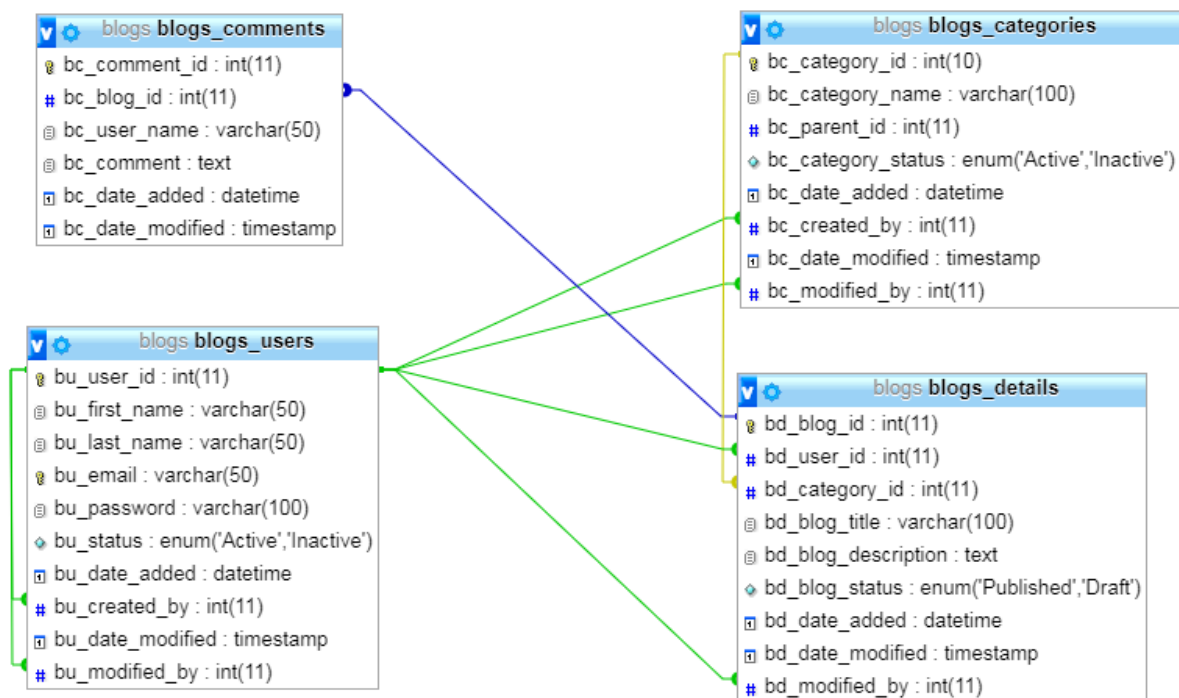
This document will explain the database design of blog database. The relations between the tables and with schema specification.

2. Purpose

To explain the schema of blog database and provide clear understanding of the database structure.

3. Database Schema

Here is the database schema of blog database which consist of four tables:



In the above schema you can see the relations between the tables column like `bd_blog_id` in table `blog_details` is foreign key in `blogs_comment` with column name `bc_blog_id`. Similarity for other type of columns.

In the below schema table following the explanation of the column:

1. Column – This column denoted the column name.
2. Table – This column tell the datatype of the column.
3. Attribute – This column tell the attributes if any.
4. Null – This shows whether the value can be null or not.
5. Default – This is the default value for the column which will be assigned if not passed in the SQL query.
6. Extra – This shows the extra information about the column like auto_increment
7. Links to – This shows the foreign key if present in the table or is marked as foreign key in another table.

Table Blog Categories

This table contains all the blog categories with their Status and parent id. Parent id is used to identify the subcategory for the category.

Column	Type	Attributes	Null	Default	Extra	Links to
bc_category_id	int(10)		No		auto_increment	
bc_category_name	varchar(100)		No			
bc_parent_id	int(11)		No			
bc_category_status	enum('Active', 'Inactive')		No	Active		
bc_date_added	datetime		No			
bc_created_by	int(11)		No			-> blogs_users.bu_user_id ON UPDATE NO_ACTION ON DELETE RESTRICT
bc_date_modified	timestamp		No	CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP	
bc_modified_by	int(11)		Yes	NULL		-> blogs_users.bu_user_id ON UPDATE NO_ACTION ON DELETE RESTRICT

Table Blog details

This table contains the blog details, the mapping of the blog with the category id and user id. You can also check the status of the table using this table.

Column	Type	Attributes	Null	Default	Extra	Links to
bd_blog_id	int(11)		No		auto_increment	
bd_user_id	int(11)		No			-> blogs_users.bu_user_id ON UPDATE NO_ACTION ON DELETE CASCADE
bd_category_id	int(11)		No			-> blogs_categories.bc_category_id ON UPDATE NO_ACTION ON DELETE CASCADE
bd_blog_title	varchar(100)		No			
bd_blog_description	text		No			
bd_blog_status	enum('Published', 'Draft')		No	Published		
bd_date_added	datetime		No			
bd_date_modified	timestamp		No	CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP	
bd_modified_by	int(11)		Yes	NULL		-> blogs_users.bu_user_id ON UPDATE NO_ACTION ON DELETE RESTRICT

Table Blog Users

This table contains the list of all user with their personal information like name, email, password etc.

Column	Type	Attributes	Null	Default	Extra	Links to
bu_user_id	int(11)		No		auto_increment	
bu_first_name	varchar(50)		No			
bu_last_name	varchar(50)		No			
bu_email	varchar(50)		No			
bu_password	varchar(100)		No			
bu_status	enum('Active', 'Inactive')		No	Active		
bu_date_added	datetime		No			
bu_created_by	int(11)		Yes	NULL		-> blogs_users.bu_user_id ON UPDATE NO_ACTION ON DELETE NO_ACTION
bu_date_modified	timestamp		No	CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP	
bu_modified_by	int(11)		Yes	NULL		-> blogs_users.bu_user_id ON UPDATE NO_ACTION ON DELETE NO_ACTION

Table Blog Comments

This table contains the comment corresponding to the blog. Each blog comment is mapped to the user to identify which blog is edited by which user.

Column	Type	Attributes	Null	Default	Extra	Links to
bc_comment_id	int(11)		No		auto_increment	
bc_blog_id	int(11)		No			-> blogs_details.bd_blog_id ON UPDATE NO_ACTION ON DELETE CASCADE
bc_user_name	varchar(50)		No			
bc_comment	text		No			
bc_date_added	datetime		No			
bc_date_modified	timestamp		No	CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP	