

SYNOPSIS : DBMS LAB MINI PROJECT

TEAM MEMBERS:

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PROJECT NAME :

Photography Blog

PROBLEM STATEMENT :

To make a photography blog making use of any kind of database.

PROJECT DESCRIPTION :

The project is about photography blog where we are going to make an online photography blog or a website where user will be able to upload photos he has taken. We are going to use postgres Sql to store the data required by the blog and the platform will be a web application using django which is a python web based framework.

This blog will have features where user will be able to upload pictures he/she has taken and also edit it.

The user will also get timely update about any kind of photoshoot or photoshop workshop and its relevant detail.

The user will be able to follow other users for their works and comment or like or share other peoples work.

This website also aims to provide video tutorials about photography and tips related to it.

There is also a feature for premium membership for the user where he/she may get further access.

This is our dbms project hence the entire backend of storing , processing as well as managing the data is using PostgresSql.

We will be having 9 entity sets which will be as follows:

- i. User
- ii. Photo
- iii. Articles
- iv. Plans
- v. Review
- vi. Editor
- vii. Photoshoot/Workshop
- viii. Video Tutorials
- ix. Genre

User entity is the important entity in our database where he/she will post pictures on the blog and participates in many photoshoot and etc.

This entity will have user based information like name ,email , password etc.

Photo entity is the entity which will store information about photo and will store the photo for other users to see it as well as review it.

This will have information like photo location,caption,number of downloads etc.

Article entity is another entity which will keep track of all the articles related to pictures in the blog. It will also give information about which photo it is related to and who has posted the article.

Plans entity is for keeping track of all the plans and its features with the price of the plan for the user to be able to purchase it.

Review entity is used to keep track of all the reviews given by the users for the articles or photos .

Editor is a weak entity which keeps track of users who have used it to edit whcih photo.

Photoshoot/Workshop entity is used to keep track of all the data about workshop and its cost.

Video tutorials are the tutorials for photos which will help and guide users to take such photos for other user to see it.

Genre entity is used to store the information about the genre to which the photo belongs in order to effectively search the photo in the database.

EXPECTED OUTCOME:

- We will be able to learn postgres and also implement and use classwork knowledge in solving a real time problem at hand.
- We will also learn python and django in developing this project.
- We will also learn to normalize and maintain our database for our server application.