A
PROJECT SYNOPSIS
ON

"Strings – An Artsy Social Networking Site"

Submitted to

Rashtrasant Tukadoji Maharaj Nagpur

University, Nagpur

In the Partial Fulfillment of

B. Com. Computer Application Final Year

Submitted By

Mr. Doshant Giradkar

Under The Guidance of

Prof. Shripad Dixit

G.S. College of Commerce, Wardha

2023-24

Introduction:

o In an era where every artist's dream is to stand out, **Strings** emerges as the bridge between creators and their global audience. Whether you wield a stylus or a mouse, this digital gallery invites you to showcase your masterpieces, share your process, and find kindred spirits who resonate with your vision.

o Curate your digital gallery. Showcase your best work, from that mesmerizing digital landscape to the quirky pixel portrait. Each piece is a thread in your artistic journey on Strings.

Objectives of the project: -

➢ To allow artists to create profiles and share their artwork.

➢ To enable artists to connect with each other.

➢ To provide features for discovering and appreciating artwork.

➢ To build an engaging community for artists around the world.

Project Category: -

➢ **Full Stack Web Application:**

 A Full Stack Web Application is an application which implements both **Backend, Frontend & Database**, And serves webpages to its users, as per the user's request.

Tools Platform/Languages to be used: -

➢ **Front End:** HTML, CSS, JavaScript

➢ **Back End:** NodeJS, PostgreSQL

Software Requirements: -

➢ **Vscode:** Vscode is a lightweight but powerful code editor that runs on multiple operating systems including windows, linux and

➢ **Browser:** A browser is an application which is used to request web-urls and render the output   to users.

➢ **NPM:** Node Package Manager is the command line tool, used to manage external libraries & dependencies in a NodeJS project.
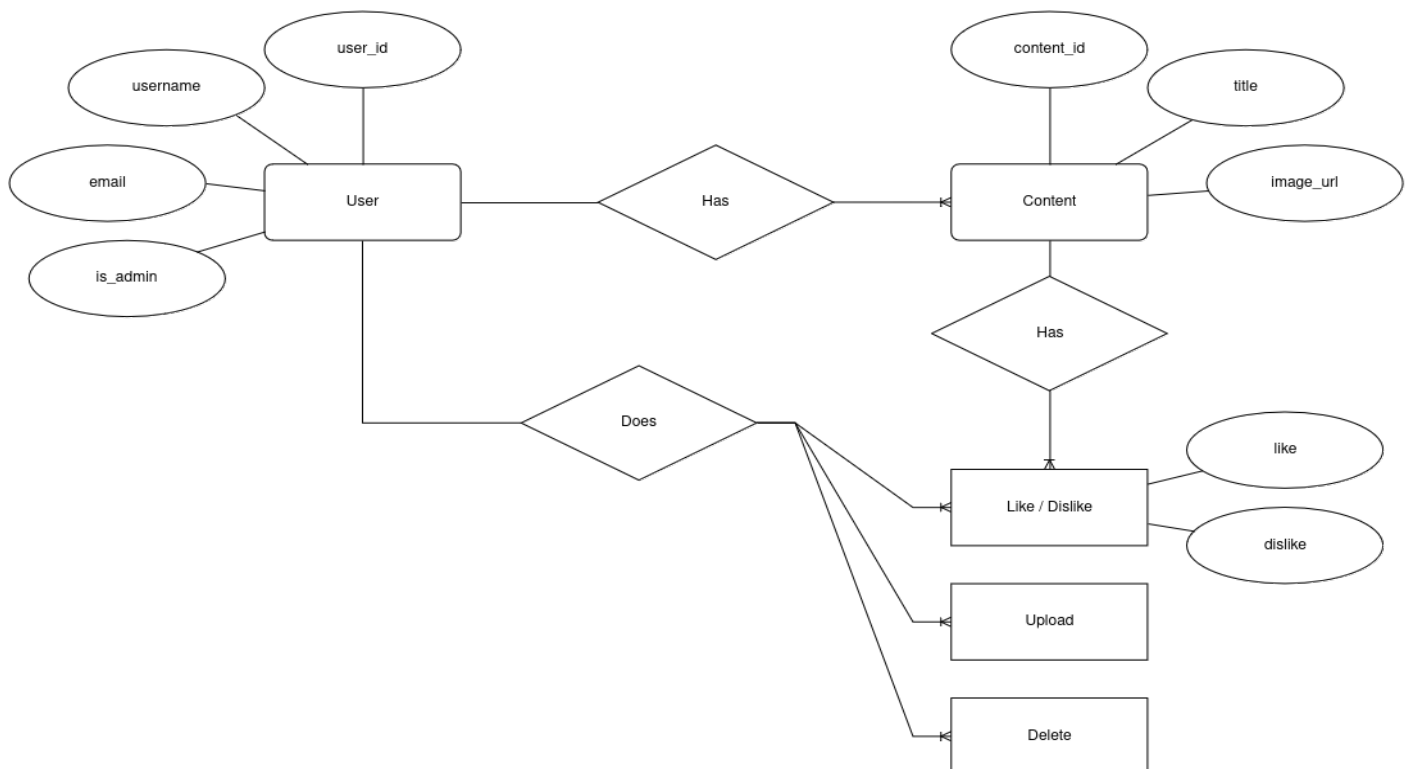
Hardware Requirements: -

➢ **Processor:** Dual Core Processor

➢ **Ram:** 2 GB RAM Or More

➢ **Hard Disk:** 8 GB Of Free Space Or More
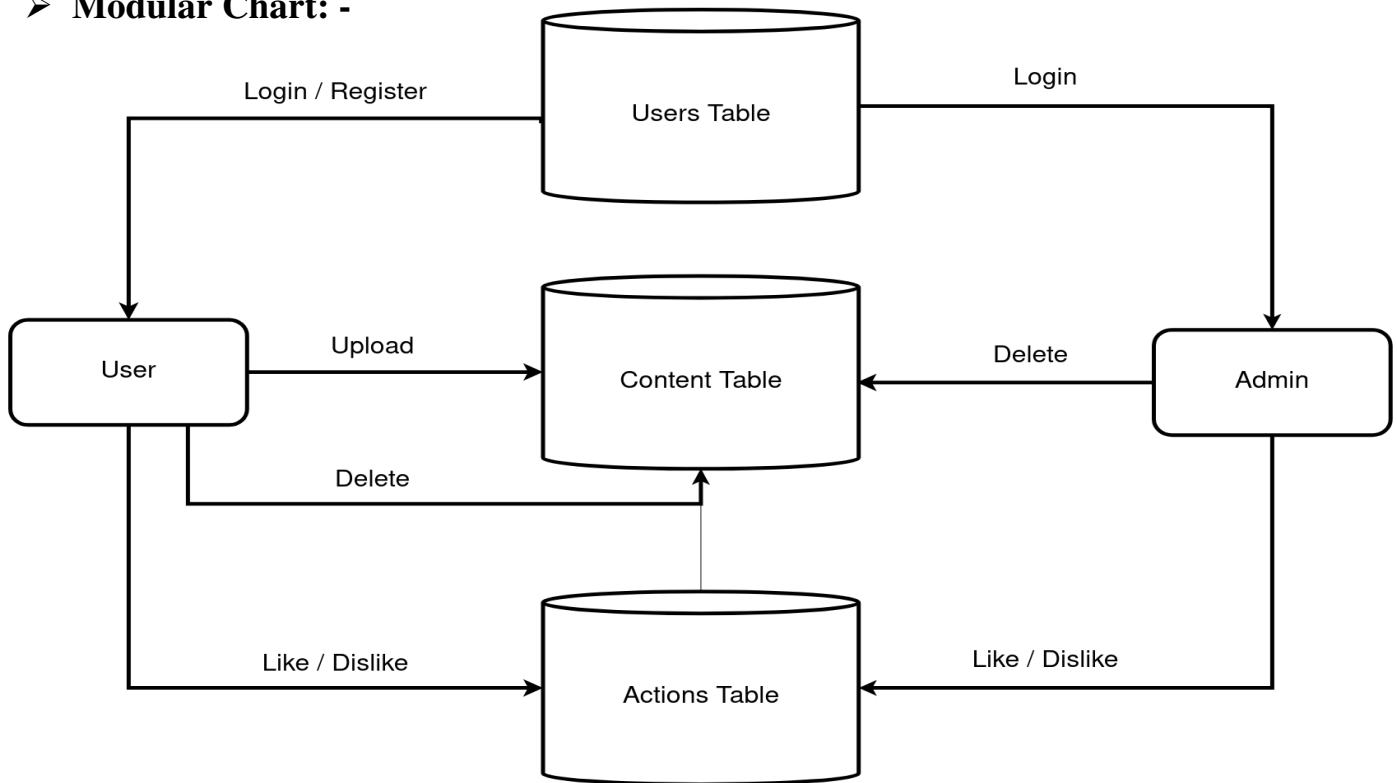
Complete structure of the system:-

➢ Number of module and its description:

1. **Login & Registration Module:** This module contains login & registration form, to allow users to login & register to the application.

2. **Upload Module:** This module contains a HTML POST from for upload. And the functionality to upload images with the title

3. **Like & Dislike Module:** This module handles the functionality of Like & Dislike.

4. **Delete Module:** Allows user to delete their own post, and administrator to delete other user's posts.

5. **Content Module:** The content moudle adds the content to HTML document, before sending it over to users.

➢ E-R Diagram: -

➢ Modular Chart: -

➢ Data Structure or Tables

a. Users Table

Feild	Type	Description
user_id	INTEGER	NOT NULL AUTO INCREMENT PRIMARY KEY
username	VARCHAR(50)	NOT NULL UNIQUE *(50 characters)*
email	VARCHAR(255)	NOT NULL UNIQUE *(255 characters)*
is_adm	BOOLEAN	NOT NULL
pass_hash	VARCHAR(255)	NOT NULL *(255 characters)*

b. Content Table

Feild	Type	Description
content_id	BIGINT	NOT NULL AUTO INCREMENT PRIMARY KEY UNIQUE
user_id	INTEGER	NOT NULL FOREIGN KEY
title	VARCHAR(255)	NOT NULL *(Size 255 characters)*
img	VARCHAR(255)	NOT NULL UNIQUE *(Size 255 characters)*

c. Actions Table

Feild	Type	Description
content_id	BIGINT	NOT NULL FOREIGN KEY
user_id	INTEGER	NOT NULL FOREIGN KEY
_like	BOOLEAN	
_dislike	BOOLEAN	

Submitted by

Mr. Doshant M. Giradkar