

A Mini Project Report
on
“Social Media Website”

Submitted by

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INTRODUCTION

1.1 Introduction to Project

Over the last decade, social media has evolved from being a mere platform to a part and parcel of the everyday life of users. Social media marketing is rapidly gaining popularity primarily due to the increasing active participation of social media users. Several figures indicate that Facebook had 1.79 bn monthly active users as of third quarter of 2016. Businesses today are using social networking sites such as Facebook and Twitter to exhibit their brands/products, to build brand image, and expand their client base. Due to the immense potential of social media, the global social networking market is expected to tread along a healthy growth track.

This market intelligence report presents the growth prospects of the global social networking market for the forecast period from 2016 to 2024. It provides qualitative and quantitative insights into the competitive landscape and highlights the leading players in the market. It profiles the prominent players in the market along with their business strategies, latest developments, and revenue generation. It includes SWOT analysis that reveals the growth trajectory, which each key player will witness during the forecast period. It also offers a detailed overview of the factors impacting the growth of the market. For a coherent understanding, the report presents statistics pertaining to the social networking market at both global and regional levels.

1.2 Motivation behind project topic

Social media has evolved into a prime storytelling tool. With the growing digital landscape, brands are now implementing social media into their Public relation strategy as a means to connect with larger audiences.

Now, more than ever, customers are using social media to understand and interact with their favorite brands, to generate the buzz that impacts the reach and influence of the brand.

So to understand how Social media helps to maintain public relationship and how social sites works , We selected this mini project.

1.3 Scope of project

- ❖ New user can create account. One user can have only one account
- ❖ During account creation user must provide strong password for their
- ❖ security
- ❖ User can login into the system by entering username and password

Users are free to connect with other users through friend requests and there will be no restriction on amount of friends a user have.

- ❖ User can make post which other users can view, like or dislike
- ❖ User can add as many posts as they want, update them or delete them
- ❖ Each user will have a profile section and will have full control on it
- ❖ Users can interact with each other personally through chat.

GENERAL DESCRIPTION

2.1 User Characteristics

- user can create account. One user can have only one account
- During account creation user must provide strong password for their security
- User can login into the system by entering username and password
- Users are free to connect with other users through friend requests and there will be no restriction on amount of friends a user have.
- User can make post which other users can view, like or dislike
- User can add as many posts as they want, update them or delete them

2.2 Developer dependencies

```
const express = require('express'),
    path = require("path"),
    bodyParser = require('body-parser'),
    HomeRoutes = require("./routes/home"),
    UserRoutes = require("./routes/user"),
    db = require("./connection"),
    passport = require('passport'),
    LocalStrategy = require("passport-local").Strategy,
    session = require("express-session"),
    MySQLStore = require("express-mysql-session")(session),
    flash = require("connect-flash"),
    cookieParser = require('cookie-parser'),
    methodOverride = require("method-override"),
    bcrypt = require("bcryptjs");
```

SPECIFIC REQUIREMENTS

1. Functional requirements

User:

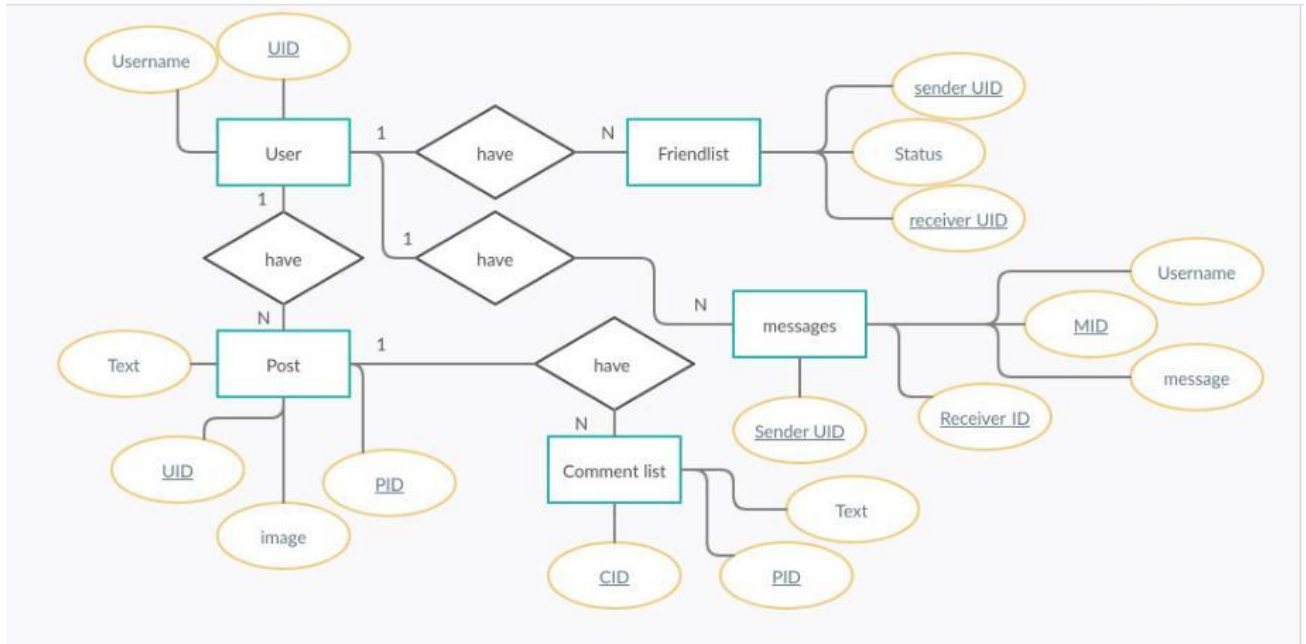
- must have a valid User ID and password to login.
- "who don't have their account in this site, can create a new" account for signup.
- should not be allowed to have more than one profile.
- can edit his/her profile and can post his/her views basing on the "activities he/she desires,after the valid user login his/her account."

Non functional requirements



SYSTEM DESIGN

1. ER diagram



2. Tables description

1) USERS

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
username	varchar(255)	YES		NULL	
password	varchar(255)	NO		NULL	
email	varchar(255)	NO	UNI	NULL	
college	varchar(45)	YES		NULL	
hometown	varchar(45)	YES		NULL	
state	varchar(45)	YES		NULL	
dob	varchar(45)	YES		NULL	
image_url	varchar(255)	YES		NULL	
cover_image	varchar(255)	YES		NULL	

10 rows in set (0.00 sec)

2)POSTS

Field	Type	Null	Key	Default	Extra
post_id	int	NO	PRI	NULL	auto_increment
user_id	int	NO	MUL	NULL	
post_string	varchar(10000)	YES		NULL	
created	datetime	YES		NULL	
post_image	varchar(2500)	YES		NULL	
title	varchar(255)	YES		NULL	

6 rows in set (0.00 sec)

3)REQUESTS

Field	Type	Null	Key	Default	Extra
sendby	int	YES		NULL	
sendto	int	YES		NULL	
status	varchar(255)	YES		NULL	
request_id	int	NO	PRI	NULL	

4 rows in set (0.11 sec)

4)MESSAGES

```
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| myuser | int     | YES  |     | NULL    |      |
| friend | int     | YES  |     | NULL    |      |
| message | varchar(255) | YES  |     | NULL    |      |
| username | varchar(255) | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

5)

```
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| like_id | int | NO  | PRI | NULL    | auto_increment |
| post_id | int | NO  | MUL | NULL    |                |
| user_id | int | NO  | MUL | NULL    |                |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

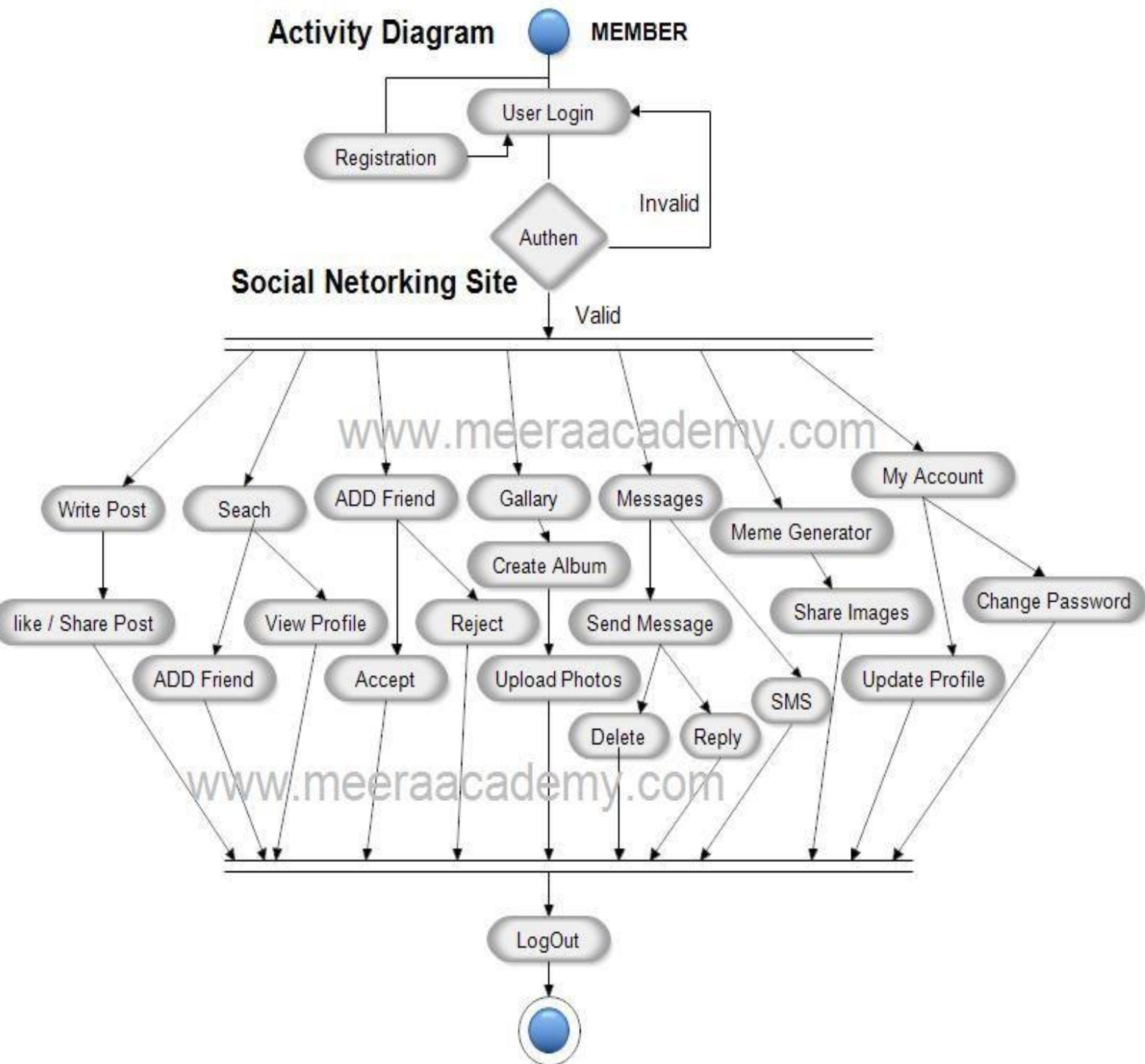
6)

```
+-----+-----+-----+-----+-----+
| Field      | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| comment_id | int     | NO  | PRI | NULL    | auto_increment |
| comment_string | varchar(255) | NO  |     | NULL    |                |
| post_id    | int     | NO  | MUL | NULL    |                |
| user_id    | int     | NO  | MUL | NULL    |                |
+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)
```

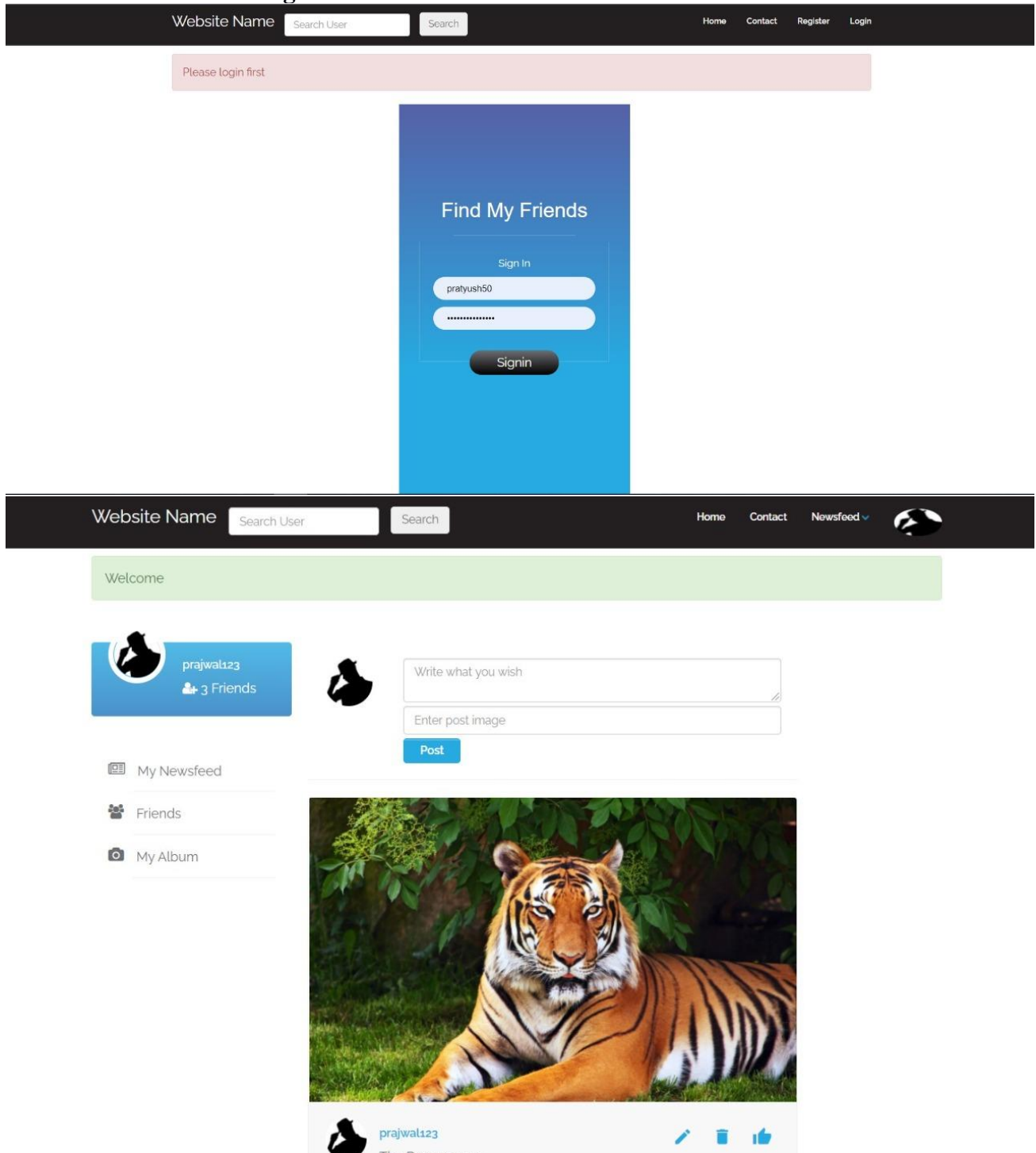
7)CONTACT

```
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| name  | varchar(255) | YES  |     | NULL    |      |
| email | varchar(255) | YES  |     | NULL    |      |
| subject | varchar(255) | YES  |     | NULL    |      |
| message | varchar(1000) | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+
4 rows in set (1.54 sec)
```


Activity diagram



3. User interface design



-  Friends
-  My Album



prajwal123

Thu Dec 03 2020



Hey there, this is my first post.



3



3



saurabh_35 nice picture



saurabh_35 Awesome



prajwal123 Thank you so much !



Post a comment



4. Error message / alert design

Friend Requests (1)

pratyush50 sent you a friend request



Messages (0)

SYSTEM REQUIREMENTS

1. Hardware and software requirements

HARDWARE INTERFACES

- 1-Screen resolution of at least 1024 x 760 required for proper and complete viewing of screens. Higher resolutions would not be a problem.
- 2-Network connection is required.
- 3-A minimum speed of 64kbps is required.

SOFTWARE INTERFACES

- 1-Any windows based operating system (Windows 98/2000/XP/VISTA/7.0).
- 2-SQL server 2008/2005 as the DBMS for database.
- 3-VISUAL STUDIO 2010/2008 for coding and designing the website.

2.Tools used -

Database - MySQL
Run time environment - Nodejs
Framework - express js

Conclusion

We have successfully implemented a mini project on social media network using node js and MySQL as a database.

REFERENCES

1. <https://nodejs.org/en/>
2. <https://expressjs.com/>
3. <https://www.mysqltutorial.org/>