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Social Network Website

Database

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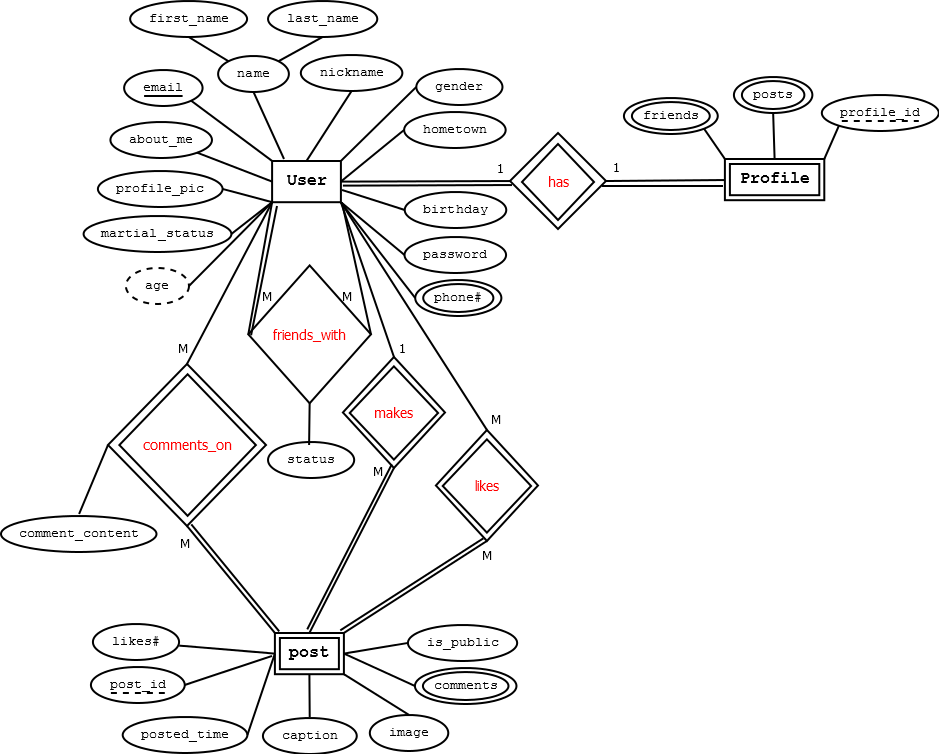
DDL ………………………………………………………………………………………………………………………

Pseudo Code

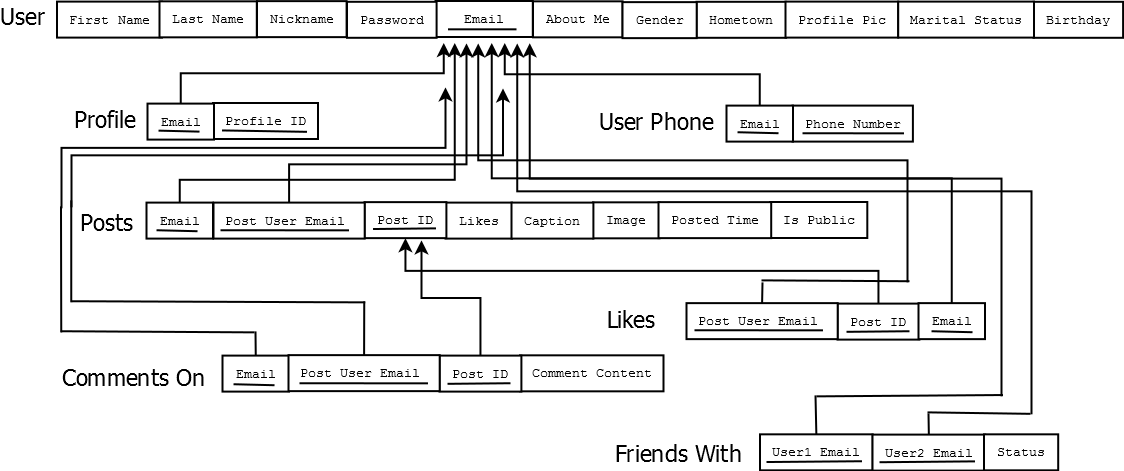
Design

Website

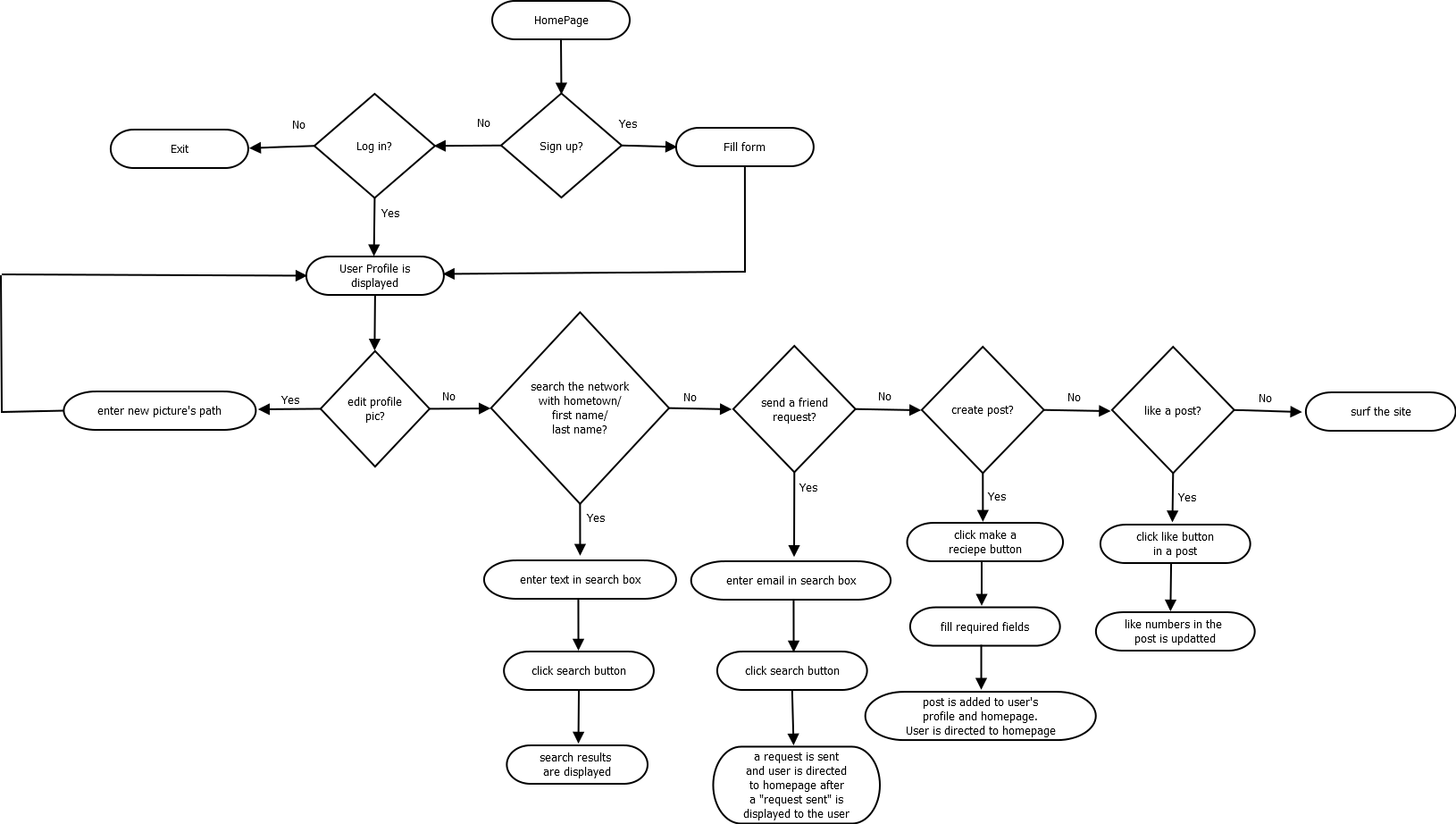
ER Diagram



**Relational Model**



**Flow Chart**



**DDL**

CREATE DATABASE SocialNetwork; //create database called "SocialNetwork" to use in the project

USE socialnetwork;

CREATE TABLE user\_info(

email VARCHAR (50) NOT NULL,

password\_user VARCHAR (10) NOT NULL,

about\_me VARCHAR (500),

gender VARCHAR (1) NOT NULL,

hometown VARCHAR (50),

profile\_pic VARCHAR (100) NOT NULL,

martial\_status VARCHAR (1),

birthday date NOT NULL,

first\_name VARCHAR (50) NOT NULL,

last\_name VARCHAR (50) NOT NULL,

nickname VARCHAR (25),

PRIMARY KEY (email)

);

CREATE TABLE user\_phonenumber(

email VARCHAR (50) NOT NULL,

phonenumber INT (15),

PRIMARY KEY (email,phonenumber)

);

CREATE TABLE user\_profile(

email VARCHAR (50) NOT NULL,

profile\_id INT (3) NOT NULL,

PRIMARY KEY (email,profile\_id)

);

CREATE TABLE posts(

email VARCHAR (50) NOT NULL,

post\_id INT (3) NOT NULL,

likes\_number INT (3),

caption VARCHAR (300) NOT NULL,

image VARCHAR (100) NOT NULL,

posted\_time timestamp NOT NULL,

is\_public VARCHAR (1) NOT NULL,

PRIMARY KEY (email,post\_id)

);

CREATE TABLE friends\_with(

user1\_email VARCHAR (50) NOT NULL,

user2\_email VARCHAR (50) NOT NULL,

PRIMARY KEY (user1\_email,user2\_email)

);

CREATE TABLE comments\_on(

user\_email VARCHAR (50) NOT NULL,

poster\_email VARCHAR (50) NOT NULL,

post\_id INT (3) NOT NULL,

comment\_content VARCHAR (500) NOT NULL,

nickname VARCHAR (25),

PRIMARY KEY (user\_email,poster\_email,post\_id)

);

CREATE TABLE likes(

user\_email VARCHAR (50) NOT NULL,

poster\_email VARCHAR (50) NOT NULL,

post\_id INT (3) NOT NULL,

PRIMARY KEY (user\_email,poster\_email,post\_id)

);

Alter TABLE user\_phonenumber ADD FOREIGN KEY (email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE user\_profile ADD FOREIGN KEY (email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE posts ADD FOREIGN KEY (email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE friends\_with ADD FOREIGN KEY (user1\_email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE friends\_with ADD FOREIGN KEY (user2\_email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE comments\_on ADD FOREIGN KEY (user\_email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE comments\_on ADD FOREIGN KEY (poster\_email,post\_id) REFERENCES posts (email,post\_id) ON DELETE RESTRICT;

Alter TABLE likes ADD FOREIGN KEY (user\_email) REFERENCES user\_info (email) ON DELETE RESTRICT;

Alter TABLE likes ADD FOREIGN KEY (poster\_email,post\_id) REFERENCES posts (email,post\_id) ON DELETE RESTRICT;

Sign Up

Sign In

Profile

Editing Profile

Image

Removing Image

Posting

Commenting on a Post

Liking a Post

Log out