ERD

A diagram of a computer

Description automatically generated with medium confidence

A diagram of a website

Description automatically generatedSite Map

SQL

CREATE TABLE User (

UserID INT PRIMARY KEY AUTO\_INCREMENT,

Username VARCHAR(255) NOT NULL,

Email VARCHAR(255) UNIQUE NOT NULL,

Password VARCHAR(255) NOT NULL,

DateJoined TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

Biography VARCHAR(255),

MobileNumber VARCHAR(50)

);

-- Example Insert

INSERT INTO User (Username, Email, Password, Biography, MobileNumber)

VALUES ('Brady565, 'brady@example.com', 'password123', 'A short biography.', '0123456789');

CREATE TABLE Post (

PostID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT,

Content VARCHAR (280) NOT NULL,

DatePosted TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (UserID) REFERENCES User(UserID)

);

-- Example Insert

INSERT INTO Post (UserID, Content)

VALUES (1, 'This is a post content.');

CREATE TABLE Comment (

CommentID INT PRIMARY KEY AUTO\_INCREMENT,

PostID INT,

UserID INT,

Content VARCHAR(255) NOT NULL,

DateCommented TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (PostID) REFERENCES Post(PostID),

FOREIGN KEY (UserID) REFERENCES User(UserID)

);

-- Example Insert

INSERT INTO Comment (PostID, UserID, Content)

VALUES (1, 1, 'This is a comment.');