

ChitChat Application Report

Application Name: **ChitChat - A Simple Social Platform**

Developer: Marko Vuckovic

Student ID: 63220395

Problem Description

In the digital age, social connectivity is a fundamental aspect of our lives. Social media platforms enable users to share their thoughts, connect with friends, and stay updated with the lives of others. However, many existing social media platforms are cluttered with excessive features and advertisements, which can detract from the core experience of connecting with friends and sharing posts. Users often seek a more streamlined and straightforward platform where they can focus on what matters most - the content and interactions with their connections.

The problem addressed by ChitChat is the need for a minimalistic and user-friendly social platform that allows users to post updates, follow or unfollow other users, and view posts from their connections without unnecessary distractions. The main users of this application are individuals looking for a simplified social networking experience. ChitChat provides a solution by focusing on essential social features, making it easy for users to interact and stay connected.

Solution Description

ChitChat offers a streamlined social platform where users can create an account, log in, and start sharing posts. The core features include the ability to post updates, follow and unfollow other users, and view posts from followed users. The application ensures a user-friendly experience with an intuitive interface, making it easy for users to navigate and interact with the platform.

The main users of ChitChat are individuals who prefer a simplified social networking experience. The application is designed to be used on both desktop and mobile devices, ensuring accessibility and convenience. Users can easily sign up, log in, and start posting updates. The profile page displays user information and their posts, while the main feed shows updates from followed users. The application also includes a feature for suggesting random users to follow, enhancing the social connectivity aspect.

Database Schema

Tables and Attributes

Users

Id(Primary Key, INT, AUTO_INCREMENT): Unique identifier for each user

userid (Calculated randomly. Used so that you can't guess the users real id and access his profile)

first_name (VARCHAR): User's first name

last_name (VARCHAR): User's last name

email (VARCHAR): User's email address

password (VARCHAR): User's password

date (TIMESTAMP): Timestamp when the user account was created

Posts

Id((Primary Key, INT, AUTO_INCREMENT): Unique identifier for each post)

postid (Same logic as in users)

userid (Foreign Key, INT): Identifier of the user who created the post

post (TEXT): Content of the post

comments (INT)

likes (INT)

date (TIMESTAMP): Timestamp when the post was created

Followers

follower_id (Foreign Key, INT): Identifier of the user who is following.

followed_id (Foreign Key, INT): Identifier of the user being followed.

Sitemap

Sign Up Page (signin.php)→Form for new users to create an account.

Log In Page (login_header.php)→Form for existing users to log in.

Profile Page (profile.php)→

- Displays user's profile information and their posts.

- Form for creating new posts.

- List of followed users and suggested users to follow.

- Post Handling

- Backend logic for creating, viewing, and managing posts.

- Follow/Unfollow Handling

Backend logic for managing follow and unfollow actions.

Classes(folder)→ Stores all classes used in project

Logout (logout.php)→Logs the user out and redirects to the signin.php page.