Introduction

Welcome to the documentation for Socialify, a social media web application designed to connect users, share experiences, and build communities. Socialify offers a range of features to enhance user interaction, including user authentication, profile customization, post creation, interaction, friend system, messaging, and search functionality.

Tech Stack

Socialify utilizes modern technologies to deliver a seamless user experience:

- **Frontend**: Developed using React for dynamic user interfaces and Tailwind CSS for responsive and customizable styling.
- **Backend**: Powered by Node.js and Express.js to handle server-side logic and API endpoints, with MongoDB serving as the database for data storage.
- **Authentication**: JSON Web Tokens (JWT) are used for secure user authentication and authorization.
- **Real-time Chat**: Socket.io enables real-time chat functionality for private messaging, enhancing user engagement and interaction.

User Authentication

Socialify provides robust user authentication capabilities to ensure the security and privacy of user accounts. Key features include:

- **Sign Up**: New users can create accounts by providing a unique username, email address, and password.
- **Log In**: Registered users can securely log in to their accounts using their username and password.
- **Google OAuth Integration**: Socialify offers seamless login and signup options using Google OAuth, enhancing user experience and security.

User Profile

Socialify allows users to create and personalize their profiles, enabling them to express themselves and connect with others. Profile features include:

- **Profile Creation**: Users can create profiles and add personal information such as name, bio, location, and website.
- **Display Picture**: Users can upload a profile picture to represent themselves visually within the community.

Post Creation

Users can share their moments, experiences, and thoughts by creating posts with images and captions. Socialify offers versatile post creation functionalities:

- **Create Posts**: Users can compose posts by uploading one or multiple photos and adding captions or descriptions.
- **Multi-Photo Upload**: Users have the option to upload multiple photos within a single post, allowing them to share multiple moments at once.

Post Interaction

Socialify facilitates interaction and engagement between users through various post-related actions:

- **Edit and Delete Posts**: Users can edit and delete their own posts to manage their content effectively.
- **Like and Comment**: Users can engage with posts created by other users by liking and commenting on them.
- **Notifications**: Users receive notifications for likes and comments on their posts, enabling them to stay updated with interactions from the community.

Friend System

Socialify fosters connections and friendships between users with its comprehensive friend system:

- **Add Friends**: Users can send and accept friend requests to connect with other users.
- **Friends List**: Users can view a list of their friends and their recent activities within the platform.
- **Messaging**: Users can communicate with their friends via private messaging, facilitating private conversations and interactions.

Real-time Chat Functionality

Socialify enhances user engagement and interaction with real-time chat functionality:

- **Private Messaging**: Users can engage in private conversations with their friends in real-time using the integrated chat feature.
- **Real-time Updates**: Chat messages are delivered instantly, allowing users to communicate seamlessly within the platform.

Getting Started

To get started with Socialify:

1. Clone the Socialify repository from GitHub.
2. Install dependencies for both the frontend and backend using npm or yarn.
3. Set up the MongoDB database and configure the connection string in the backend.
4. Run the backend server using Node.js and Express.js.
5. Start the frontend development server to launch the Socialify web application.
6. Sign up for an account or log in using existing credentials.
7. Explore the various features of Socialify, including profile customization, post creation, interaction, friend system, and real-time chat functionality.

Enjoy connecting and engaging with others on Socialify!