**FEEDBUZZ**

*FeedBuzz aims to create an engaging platform for users to connect, share posts, and communicate in real-time.*

**1.Project Setup**:

Backend (Node.js and Express.js):

Set up a new Node.js project using npm init.

Install required dependencies, including Express, Mongoose, bcrypt, JWT, Socket.io (for real-time chat), etc.

Create the necessary folder structure for your backend.

Frontend (React):

Set up a new React project using create-react-app.

Create the folder structure for your frontend.

**2. User Authentication:**

Backend:

Implement user registration and login routes.

Store user information, including a profile picture, in MongoDB.

Use JWT for authentication and authorization.

Implement password reset functionality.

Frontend:

Create registration and login forms with profile picture upload.

Build user profile pages and implement password reset forms.

**3. User Profiles:**

Backend:

Extend the user model to include additional details like bio and friends list.

Implement routes to fetch and update user profiles.

Frontend:

Create user profile pages with information like posts and friends.

Allow users to update their profile information.

**4. Posts, Comments, and Likes:**

Backend:

Implement routes for creating, fetching, and deleting posts.

Create a schema for comments and likes associated with posts.

Frontend:

Build components for creating and displaying posts.

Implement a comment system with the ability to like and unlike posts.

**5. Friend System:**

Backend:

Implement routes for adding and removing friends.

Store the list of friends for each user in the database.

Frontend:

Add buttons for adding and removing friends on user profiles.

Display a list of friends on user profiles.

6. **Real-Time Chat System:**

Backend:

Implement a real-time chat system using Socket.io.

Create routes for fetching chat history and managing conversations.

Frontend:

Build a chat interface with real-time updates.

Integrate with the backend for sending and receiving messages.

**DATABASE SCHEMA :-**

