1. User authentication and registration

* Create a login page with fields for email and password
* Create a registration page with fields for email, password, and username
* Implement bcrypt or similar library for password hashing
* Create a forgot password page with email validation
* Send an email to the user's email address with a link to reset their password

1. Real-time messaging and chat history

* Implement WebSocket or similar library for real-time messaging
* Create database tables for storing messages, rooms and users
* Implement CRUD operations for storing and retrieving messages
* Create API endpoints for sending and receiving messages

1. User profiles and avatars

* Create a user profile page where users can view and edit their profile information
* Allow users to upload an avatar image
* Display user avatars next to their messages in the chatroom

1. Group chat and private messaging options

* Create a page for creating and joining group chat rooms
* Create a private messaging feature that allows users to initiate one-on-one conversations with other users
* Store the private conversation in the database

1. ASCII Emoji support

* Implement a library for displaying emojis in the chatroom
* Implement commands for sending emojis

1. Push notifications for new messages

* Implement push notifications using a library like Firebase Cloud Messaging
* Create a user setting where users can enable or disable push notifications

1. User blocking and reporting options

* Create a user setting where users can block other users
* Create a user setting where users can report other users for inappropriate behavior
* Create an admin panel where administrators can view and act on reported users

1. Search functionality for past conversations and messages

* Create a search bar that allows users to search for past conversations and messages
* Create an API endpoint for searching messages

9.Ability to join or create chat rooms based on topics or interests

* Create a page where users can browse and join chat rooms based on specific topics or interests
* Allow users to create chat rooms with specific topic or interest

1. Option to share links and files within the chat room

* Create a preview for the links

1. Customizable user settings and preferences

* Create a user setting where users can customize their notification settings
* Create a user setting where users can customize their language preferences
* Create a user setting where users can choose the theme of the chatroom

1. Option to save important messages or conversations

* Allow users to save important messages or conversations for future reference
* Create a page where users can view the saved messages