Schema Documentation

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June 23, 2024

Conversation Schema

Description:
This schema defines a conversation in the application. A conversation can include multiple participants, messages, and administrative functionalities.

Fields:

- **name** (String) - Name of the conversation.

- **avatar** (String) - Avatar image URL for the conversation.

- **isPinned** (Boolean) - Indicates if the conversation is pinned.

- **admins** (Array of ObjectId) - References to User documents who are admins of the conversation.

- **mutedParticipants** (Array of ObjectId) - References to User documents who are muted in the conversation.

- **participants** (Array of ObjectId) - References to User documents participating in the conversation.

- **messages** (Array of Objects) - List of messages in the conversation.

    - **sender** (ObjectId) - Reference to the User document who sent the message.
    - **type** (String) - Type of message (Text, Media, Document, Link, Divider, Reply).
    - **repliedTo** (String) - ID of the message being replied to.
    - **createdAt** (Date) - Timestamp of when the message was created. Default is the current date and time.
    - **text** (String) - Text content of the message.
    - **file** (Object) - File details if the message includes a file.
        * **title** (String) - Title of the file.
        * **siteName** (String) - Site name associated with the file.
        * **content** (String) - Content of the file.

Friend Request Schema

Description:
This schema defines a friend request between users in the application.

Fields:

- **sender** (ObjectId) - Reference to the User document who sent the friend request.

- **sentAt** (Date) - Timestamp of when the friend request was sent. Default is the current date and time.

- **recipient** (ObjectId) - Reference to the User document who received the friend request.

- **receivedAt** (Date) - Timestamp of when the friend request was received. Default is the current date and time.

- **createdAt** (Date) - Timestamp of when the friend request was created. Default is the current date and time.

User Schema

Description:
This schema defines a user in the application. It includes user details and authentication information.

Fields:

- **firstName** (String) - User's first name. Required.

- **lastName** (String) - User's last name. Required.

- **about** (String) - About section for the user.

- **avatar** (String) - URL for the user's avatar image. Defaults to a generated avatar image.

- **email** (String) - User's email address. Required and validated.

- **password** (String) - User's password. (Not selected by default)

- **passwordChangedAt** (Date) - Timestamp of when the password was last changed. (Not selected by default)

- **passwordResetToken** (String) - Token for resetting the password. (Not selected by default)

- **passwordResetExpires** (Date) - Expiry date for the password reset token. (Not selected by default)

- **createdAt** (Date) - Timestamp of when the user was created. Default is the current date and time.

- **updatedAt** (Date) - Timestamp of when the user was last updated. (Not selected by default)

- **verified** (Boolean) - Indicates if the user is verified. Default is false.

- **otp** (String) - One-time password for the user.

- **otpExpirationTime** (Date) - Expiry time for the OTP.

- **friends** (Array of ObjectId) - References to User documents who are friends of the user.

- **socketId** (String) - User's socket ID.

- **status** (String) - User's status. Enum: ["Online", "Offline"]