

Endpoint Description	Method	Path	Auth	Request Data					Data Out	
				Property	Type	Constraints	Default	Required	Property	Type
Users										
Create a user account	Post	/user	no	Username	String	length >= 2 unique		Yes	Username	String
				firstName	String	length >= 1		Yes	firstName	String
				lastName	String	length >= 1		Yes	lastName	String
				email	String	valid email unique		Yes	email	String
				password	String	length >= 8		Yes		
Log In	Post	/login	no	username	String	length >= 2		Yes	token	String
				password	String	length >= 8		Yes		
Log Out	Post	/logout	yes							
Update user information	Patch	/user	yes	username	String	length >= 2		No	Username	String
				firstName	String	length >= 1		No	firstName	String
				lastName	String	length >= 1		No	lastName	String
				email	String	valid email		No	email	String
				password	String	length >= 8		No		
Get user info	Get	/user	yes						username	String
									password	String
									firstName	String
									lastName	String
									email	String
									blocked_users	[UserId]
									friends	{ username: String, userId: UserId }
									chat_sessions	[ChatId]
					requests	[RequestId]				
Delete user	Delete	/user	yes							
Get users	Get	/users ?search=string &limit=number	yes						users	{ username: String, userId: String, firstName: String, lastName: String }
Send a friend request	Post	/request/ :user-id	yes						type	String
									sender	{ username: String, userId: UserId }
									receiver	{ username: String, userId: UserId }
									timestamp	Date
Accept friend request	Post	/request/decision/ :request-id	yes	decision	Boolean			Yes		
Get friends	Get	/friends ?limit=number	yes						users	{ username: String, userId: String, firstName: String, lastName: String }
Remove friend	Delete	/friend/ :user-id	yes							

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				Property	Type	Constraints	Default	Required	Property	Type
Block/Unblock User	Patch	/user/block/ :user-id	yes	is-blocking	Boolean		True	No		
Broadcast Messages										
Get B-messages	Get	/b-messages/ ?user-id &search	yes						b-messages	[{ poster: { username: String, userId: UserId }, content: String }]
Send B-message	Post	/b-message	yes	content	String			Yes	poster	{ username: String, userId: UserId }
									content	String
									timestamp	Date
Comment on B-message	Post	/b-comment/ :parent-id	yes	content	String			Yes	poster	{ username: String, userId: UserId }
									content	String
									timestamp	Date
Group Chat										
User creates group	Post	/group	yes	group-name	String	length >= 1 length <= 32		Yes	owner	{ username: String, userId: UserId }
				background	String	hex format	#000000	No	group-name	String
				visibility	Boolean		TRUE	No	background	String
				logo	Buffer	under 2 MB		No	visibility	Boolean
									logo	String
Get chat	Post	/chat/:chat-id	yes						owner	{ username: String, userId: UserId }
									group-name	String
									background	String
									visibility	Boolean
									logo	String
Invite member to group	Post	/group-invite/ :chat-id/ :user-id	yes						type	"friend-request" "chat- invite"
									sender	String
									receiver	String
									timestamp	Date
Accept invite to group	Post	/group-invite-decision/ :request-id	yes	decision	Boolean			Yes		
Leave a group	Delete	/group-member/ :chat-id	yes							
Ban member from group	Patch	/ban-group-member/ :chat-id/ :user-id	yes	decision	Boolean			Yes		
Update group	Patch	/group/ :chat-id	yes	owner	UserId			No	owner	{ username: String, userId: UserId }

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				Property	Type	Constraints	Default	Required	Property	Type
				name	String	length >= 1 length <= 32		No	name	String
				profile photo	Buffer			No	profile photo	String
				background	String	hex format		No	background	String
				visibility	Boolean			No	visibility	Boolean
Delete chat	Delete	/chat/:chat-id	yes							
Direct Chat										
Create a direct chat	Post	/direct-chat/:user-id	yes						users	{ username: String, userId: UserId }
Messages										
Get messages	Get	/messages/:chat-id/?search filter &range	yes						messages	[[content: String, timeStamp: Date, sender: UserId]]
Send message	Post	/message/:chat-id	yes	content	String	length >= 1 length <= 2048		Yes	message	{content: String, timeStamp: Date, sender: UserId}
Delete message	Delete	/message/:message-id	yes							
Edit message	Patch	/message/:message-id	yes	content	String	length >= 1 length <= 2048		Yes	message	{content: String, timeStamp: Date, sender: UserId}
Pin message	Post	/pin-message/:message_id	yes						happiness	Emotion