Bot:

- Attrs:

Seq	Property	Modifier	Constraints	Description
1	id	public	integer, positive	ID of a bot
2	name	public	string	Name of a bot
3	model	public	string	LLM model of a bot
4	created_at	public	string, YYYY-MM-DD format	Creation date of a bot
5	embed	public	string, HTML format	Embedded code for a widget of a bot

- Methods:

Seq	Operation	Modifier	Constraints	Description
1	Bot(id: integer)	public		Bot's constructor

Message:

- Attrs:

Seq	Property	Modifier	Constraints	Description
1	id	public	integer, positive	ID of a message
2	role	public	string, 'user' or 'bot'	Owner of a message.
3	content	public	string	The content of a message.
4	timestamp	public	string, HH:MM AM/PM format	The time when a message got sent

- Methods:

Seq	Operation	Modifier	Constraints	Description
1	Message(id: integer)	public		Message's constructor

Group:

- Attrs:

Seq	Property	Modifier	Constraints	Description
1	id	public	integer, positive	ID of a group
2	owner	public	integer, positive	ID of group owner
3	name	public	string	The name of

				a group

- Methods:

Seq	Operation	Modifier	Constraints	Description
1	Group(integer, string)	public		Group's constructor

Bot Service:

- Methods:

Seq	Operation	Modifier	Constraints	Description
1	loadBots(user_id: integer)	public		Get list of bots of a user
2	addBot(user_id:integer, name: string, model: string, link: string)	public		Add new bot
3	removeBot(id: integer)	public		Delete a bot
4	updateBot(id: integer, name: string, model: string)	public		Update name or model of a bot.
5	updateResponse(adjustment: string)	public		Adjust response of a bot
6	addKB(link: string)	public		Update knowledge base of a bot
7	addBotToGroup(group_id:	public		Share a bot to a

	integer)			group

Message Service:

Seq	Operation	Modifier	Constraints	Description
1	loadMessages(user_id: integer, bot_id: integer)	public		Load the conversation between a user and a bot
2	saveMessage(user_id: integer, bot_id: integer, content: string)	public		Add a message to database
3	getLLMResponse(question: string)	public		Retrieve a response from the AI model used by a bot.

Group Service:

Seq	Operation	Modifier	Constraints	Description
1	loadGroups(user_id: integer)	public		Load list of groups of a user
2	loadMembers(group_id: integer)	public		Load list of members' emails of a group.
3	removeGroup(id: integer)	public		Remove a group

Seq	Operation	Modifier	Constraints	Description
4	updateGroupName(id: integer, name: string)	public		Change group name
5	updateGroupMembers(id: integer, members: string[])	public		Change members of a group.
6	addGroup(user_id: integer, name: string, members: string)	public		Create a new group

Create Bot Page:

Seq	Operation	Modifier	Constraints	Description
1	handleCreateBot()	public		Control bot creation
2	handleUploads()	public		Validate and process files uploaded by a user

Bot Configuration Page:

Seq	Operation	Modifier	Constraints	Description
1	handleUpdate()	public		Control configurations of bot's name, bot's model and bot sharing
2	handleUploads()	public		Validate and process files

Seq	Operation	Modifier	Constraints	Description
				uploaded by a user
3	handleTestBot()	public		Control the bot testing when configuring a bot.

Chat Page:

Seq	Operation	Modifier	Constraints	Description
1	handleMessage()	public		Control the messages sent by users and bots

Group Page:

Seq	Operation	Modifier	Constraints	Description
1	handleGroup()	public		Control group listing and creation
2	handleGroupUpdate()	public		Control group editing