Chat app: sprint-2 specs

jan 2021

The project chat-app sprint-1 has finished.
(fuse theme, ngxs, etc.)

This is the next sprint-2.

Global specs

1. User can subscribe to new channel
2. User can change channel settings (as subscriber)
3. User can create new channel
4. User can edit channel (as owner)
5. User can create new topic (as subscriber existing channel)
6. If user reads message, then mark as read
7. Connect to real API
8. If new channel/topic/message received (ngxs-socketio), then order channel, topic (like slack) where most relevant is on top
9. User can upload file with new message
   (upload via s3)
10. ~~Create iframe view (topics and messages) for embedding other webapps~~
11. Multi-language EN/NL

Next sprints:
- System should give browser notifications
- More admins
- Multi-space
- Star, unstar
- Labels
- Remove and edit message
- iframe?
- reusable component, other apps (example course/tasks/invoice)
-

API functions

(in development)
All API calls use the userId (in token) as the current user.

All users

- GET /my/browse.channels   get list of all open channel (to subscribe)
                                                 (includes already subscribed info)
- ?GET /my/browse.channels/123   get info one channel
- POST /my/browse.channels/123/subscribe subscribe request to 123 from user
-

Subscribed users

Channels:
- GET /my/channels   get list (subscribed) channels
- POST /my/channels   create new channel (public/private)
-
- POST /my/channels/123/unsubscribe   unsubscribe user to channel
- POST /my/channels/123/settings   change user-settings this channel
- POST /my/channels/123/inactive   make channel inactive for this user
- POST /my/channels/123/active   make channel active for this user
-
- POST /my/channels/123/update   edit channel (admin only)
-

Topics:
- ?GET /my/channels/123/topics   get topics of channel 123
- ?POST /my/channels/123/topics   create new topic for channel
-
- GET /my/topics
- GET /my/topics/123
- POST /my/topics   create new topic
-
- POST /my/topics/123/settings   change user-settings this topic
- POST /my/topics/123/inactive   make topics inactive for this user
- POST /my/topics/123/active   make topics active for this user
-
- POST /my/topics/123/update   edit topics (admin only)
-

Messages:
- GET /my/topics/123/messages   get messages this topic

-
  - GET /my/messages   with filtering, todo: elastic-search
-
  - GET /my/messages/123   details one message
  - GET /my/messages/123/read   mark as read
  - GET /my/messages/123/unread   mark as unread
-
-
  - POST /my/message   new message
-

API for websockets:
(in development)

- events (send client):
  - login command (use token)
  -
  -
- subscribe (listen client):
  - internal rooms, after login…
  - events:
    - channelCreated   after user success subscribed
    - channelUpdated   change channel info (example #open)
    - channelDeleted   after unsubscribed user
    -
    - topicCreated   after someone added topic to channel
    - topicUpdated   change topic info (example #open)
    - topicDeleted   after closed by owner
    -
    - messageCreated   after new message (from other/own)
    - messageUpdated   change message info (example unread)
    - messageDeleted   after message deleted
    -
    -
  -
-

Example API results

relevant fields ==marked==.

channel object

```
{
        "id": "3106a765-7b44-4daa-9104-a93ffebb7fb6",
        "data": {
            "name": "366 Team test-2 public",
            "description": null,
            "type": "group",
            "visibility": "all",
            "subscribe": "all",
            "status": "open",
            "stats": {
                    "userCount": 1
            }
        },
        "system": {
            "createdAt": "2021-01-17T21:40:31.823Z",
            "updatedAt": "2021-01-17T21:40:31.823Z",
            "userId": "f4dcd888-8a40-4796-9afa-6bb52ebdc5dc",
            "spaceId": "48f27afb-42fd-47b3-8d3e-bed68138b46c",
            "model": 1
        },
        "user": {
                "isAdmin": true,
                "isSubscribed": true,
                "isActive": true

        }
    },
```

topic-object

```
{
        "id": "004c569d-29d7-4efd-a376-59a1ba0ea325",
        "data": {
            "channelId":
"3106a765-7b44-4daa-9104-a93ffebb7fb5",
                "name": "topic test-1",
            "description": "some description",
            "status": "open"
        },
```
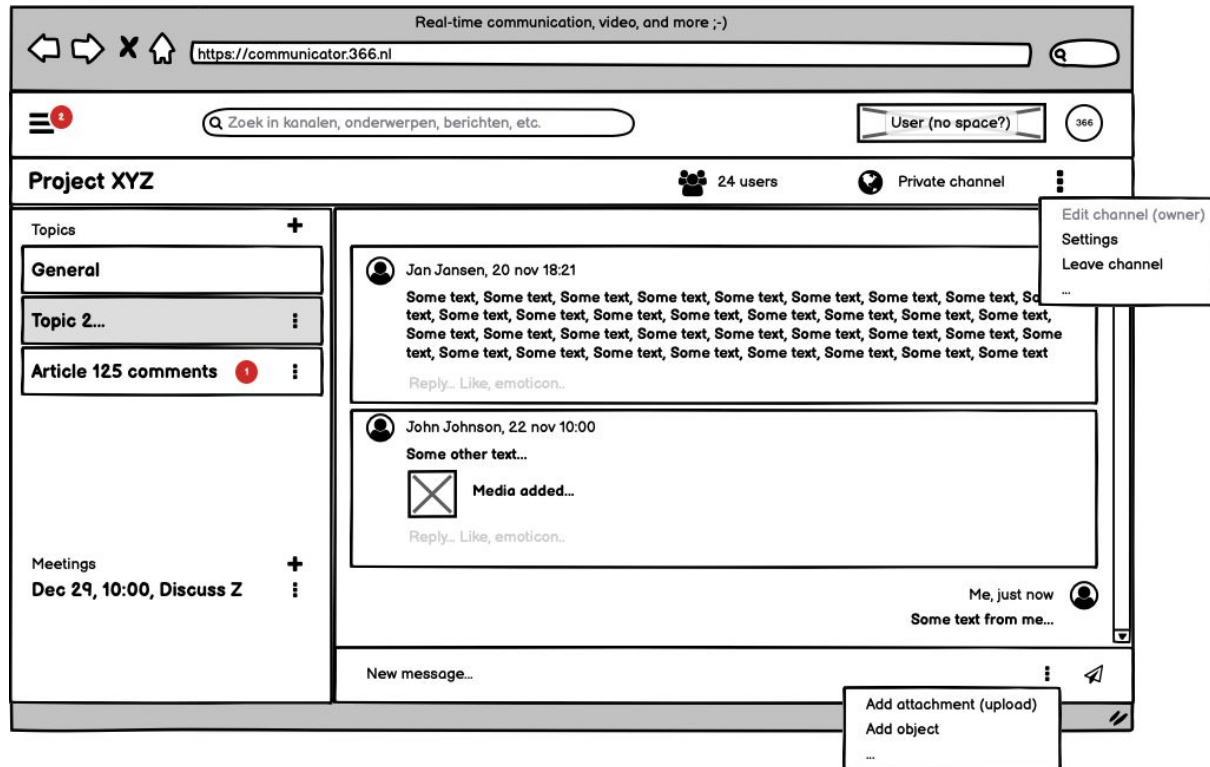
```
        "system": {
            "createdAt": "2021-01-17T21:57:29.355Z",
            "updatedAt": "2021-01-17T21:57:29.355Z",
            "userId": "f4dcd888-8a40-4796-9afa-6bb52ebdc5dc",
            "spaceId": "86ff7866-f847-4628-b75c-5f1a78899c35",
            "model": 1
        },
        "user": {
            "isAdmin": true,
            "isActive": true
        }
    },
```

message-object

```
{
        "id": "004c569d-29d7-4efd-a376-59a1ba0ea325",
        "data": {
            "channelId": "3106a765-7b44-4daa-9104-a93ffebb7fb5",
            "topicId": "004c569d-29d7-4efd-a376-59a1ba0ea325",
            "text": "msg test-1"
        },
        "system": {
            "createdAt": "2021-01-17T22:11:08.407Z",
            "updatedAt": "2021-01-17T22:11:08.407Z",
            "userId": "f4dcd888-8a40-4796-9afa-6bb52ebdc5dc",
            "spaceId": "86ff7866-f847-4628-b75c-5f1a78899c35",
            "model": 1
        },
        "user": {
            "isAdmin": true,
            "isRead": true
        }
    }
```

Screen functions

Original mockup:

Add new channel:
- in main menu add + button to create dialog
- here 2 tabs:
    - new channel
    - subscribe to existing channel
- save / cancel

Channel more-menu:
- Settings = dialog with
    - field 'notification' checkbox
    - save/cancel button
- Edit = dialog with (disable this button, grey, if user is not admin)
    - field name textbox
    - field status open/close (dropdown)
    - save/cancel button
- Leave channel = unsubscribe
-

Topic list:
- Click on + (add topic) = dialog with
    - name topic
    - save/cancel button
- More-menu:
    - edit = dialog topic-name

-

Message (add more-menu):
- Mark unread (if message read)
- Mark read (if message is unread)
-

Mockups

new screens / dialogs:

Add new channel

Add channel

Some explanation here...
2nd line...

| Add channel | Subscribe existing channel |

Name of new channel...

Description of channel here... (optional)

◉ Public (to everyone)   ◉ Publish in channel list
◯ Private (only in existing space)   ◯ Not published (link only, invite users)

[Save]   [Cancel]

| Add channel | Subscribe existing channel |

	Name	Type	Users	
☐	Channel 1 test	Public	100	
⊟	Channel 2 test	Private	3	subscribed
⊟	Channel 3	Public	1	owner, subscribed
☐	Feedback-4	Public	100	
☐	Channel 1 test	Public	100	
☐	Channel 1 test	Public	100	

2nd tab, better button 'subscribe' to bottom.

Attach file to new message

Jan Jansen, 20 nov 18:21

Some text, Some text

Reply... Like, emoticon...

John Johnson, 22 nov 10:00

Some other text...

Media added...

Reply... Like, emoticon...

Me, just now

Some text from me...

New message...

Add attachment (upload)

Add object

...

Name channel, topic, settings outside of this component...?