



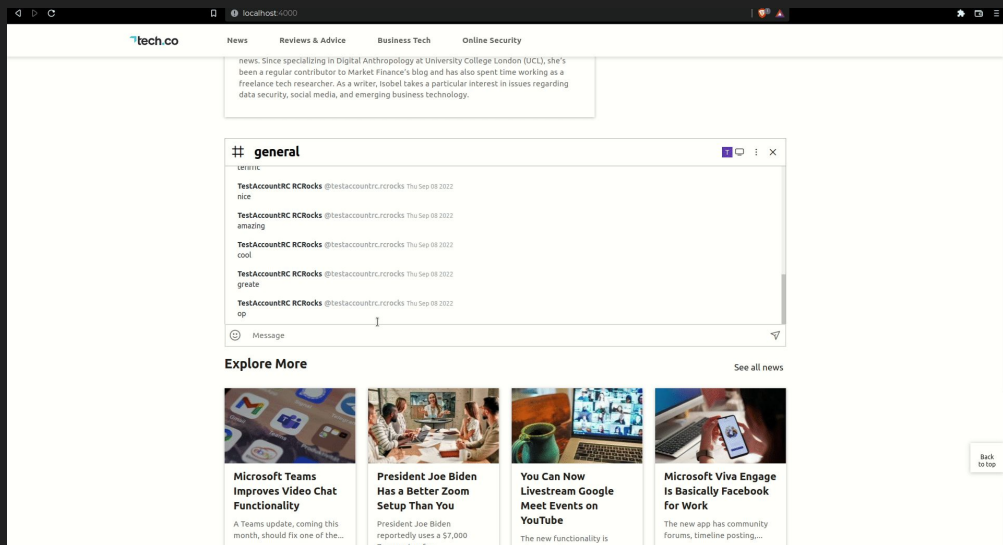
EmbeddedChat

Sidharth Mohanty | Rohan Lekhwani





What do you mean by EmbeddedChat?



```
import { RComponent } from '@rocket.chat/embeddedchat'
```

```
<RComponent  
  moreOpts={true}  
  width="100%"  
  height="35vh"  
  GOOGLE_CLIENT_ID={GOOGLE_CLIENT_ID}  
  host={ROCKETCHAT_HOST}  
  roomId={ROCKETCHAT_ROOM_ID}  
  channelName="general"  
  anonymousMode={true}  
  headerColor='#F5455C'
```

```
/>
```





Problems that we are targeting to solve

- Rocket.Chat integration into any web app
- No more iframe UI leaks
- No more heavy fetch requests
- Provide a custom in-app chat solution
- Lightweight setup
- More engagement
- Persistence of chat

“EmbeddedChat ensures organizations use their *valuable time building their product* and leave RocketChat with the stress to provide them with a powerful chatting solution.”





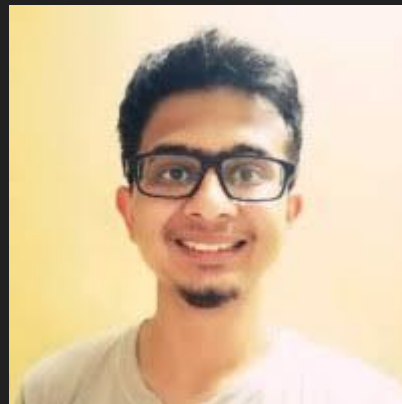
Hello! 🚀



Sidharth Mohanty

RocketChat - 11 months

Rocket.Chat, RC4Community,
Rocket.Chat.js.SDK,
EmbeddedChat



Rohan Lekhwani

RocketChat ~ 2 years now!
GSoC'21 @Rocket.Chat
Ex-SWE @Gojek

Awesome mentor! ❤️





About the “component”

Made using RocketChat.js.SDK, fuse.js and Rocket.Chat API

Realtime chat
functionality

UI

API calls

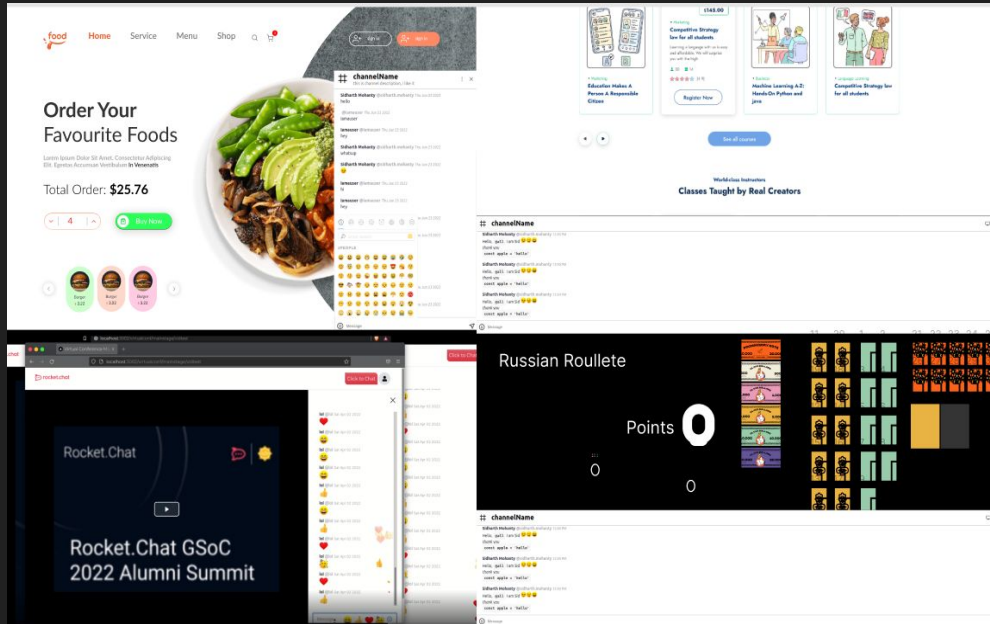
Documented every part of EmbeddedChat in detail at:

<https://github.com/RocketChat/EmbeddedChat/wiki>





EmbeddedChat in action and use cases



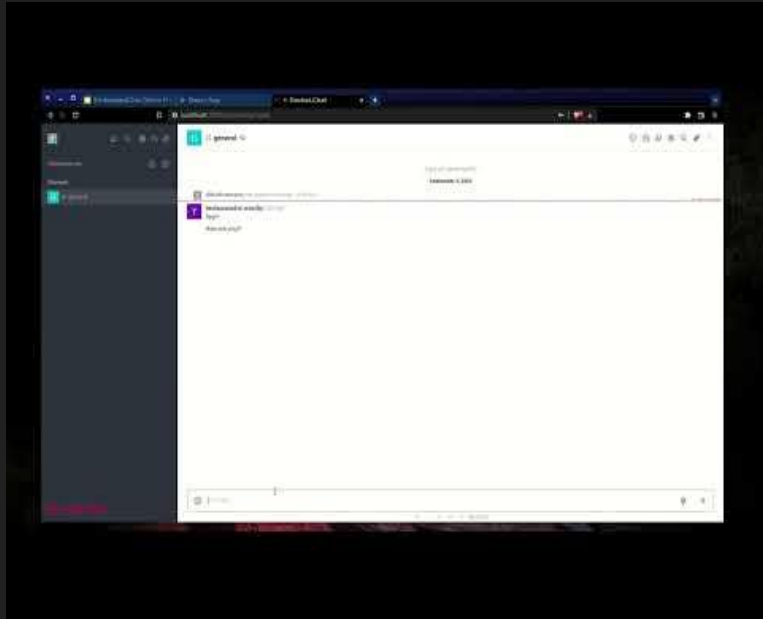
Be it,

- your store where you want to give your loyal customer discounts
- Or games where you want to increase engagement
- Or your online classroom where you want to share docs
- Or even virtual conferences where you want to integrate chat



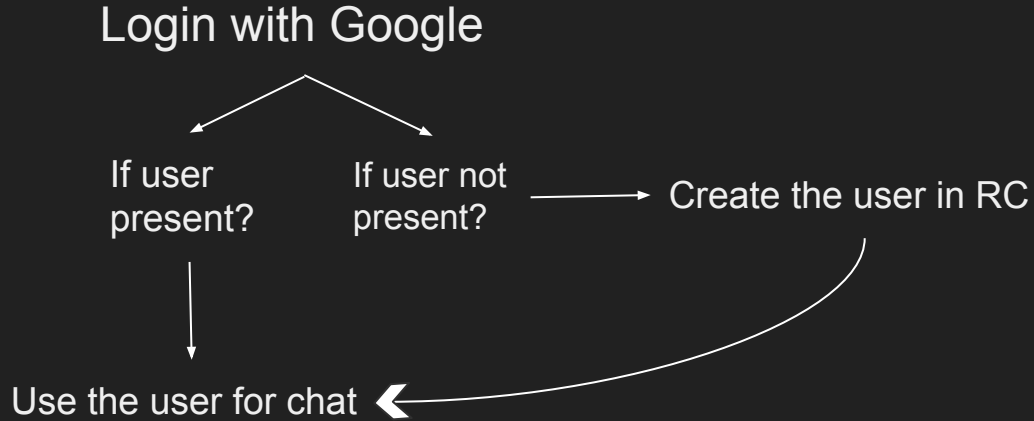


Realtime chat functionality + EmojiPicker!





Why Google **Single-Sign-On** Auth?



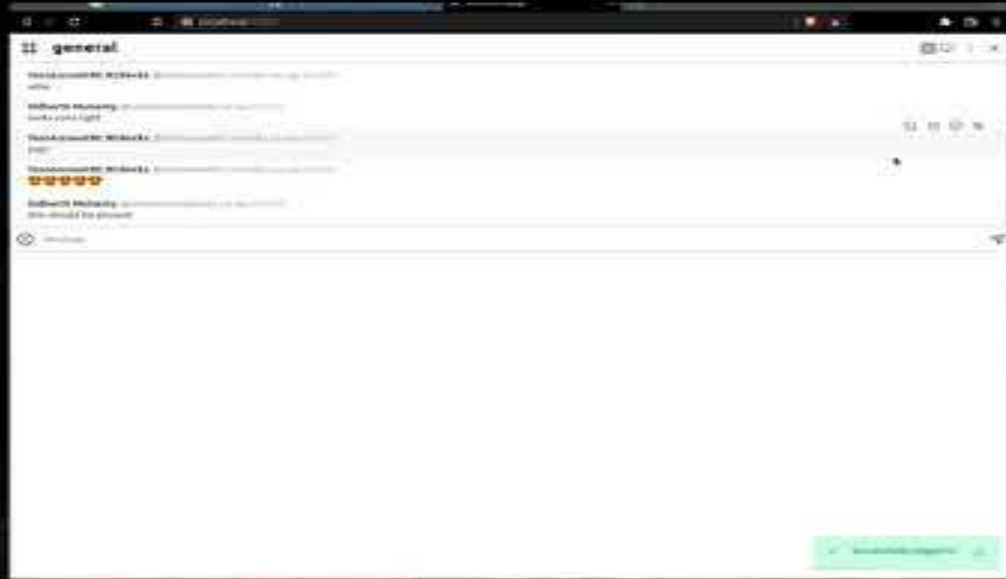
This meant:

- No registration!
- No remembering of your passwords!
- No redirects!



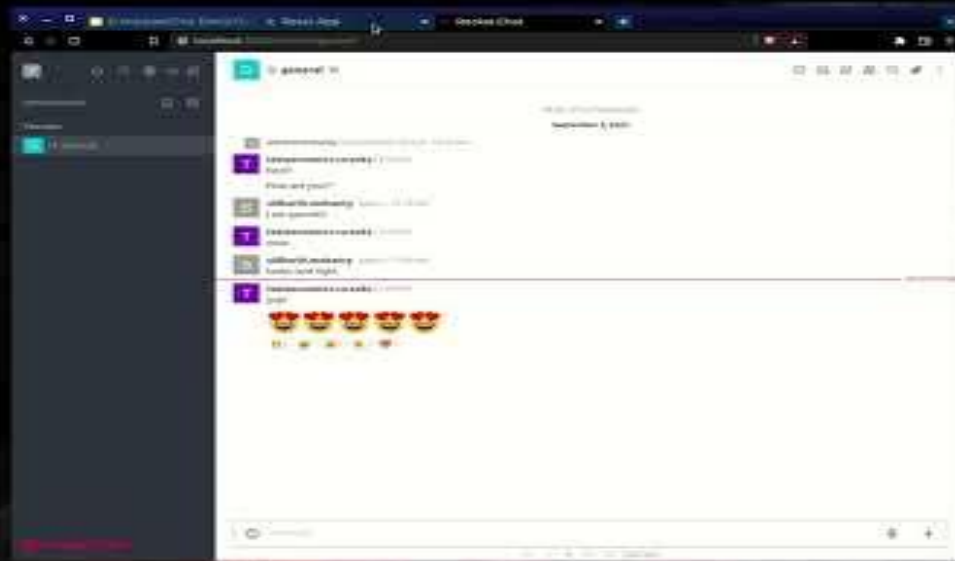


Pinning and Starring of messages





Reactions to messages



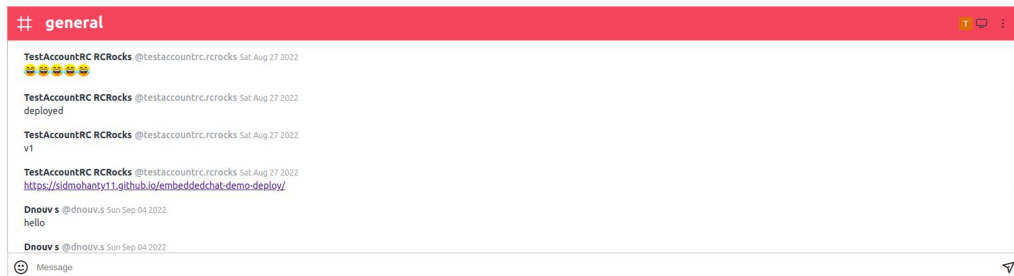


Just for React.js? Nope.

- Use it as an iframe in any framework of your choice!

This below is an iframe

Hello! Welcome to **EmbeddedChat** demo.





Challenges

- Google SSO Authentication - making a Google popup component, handling login/creation of users using a single click, handling usernames etc.
- Parsing of emojis in the text input itself and making sure that it is compatible with RC emojiSet(EmojiOne).
- Learning about subscription model, websockets and Rocket.Chat.js.SDK to integrate real time chat functionality.
- Handling of different attachments
- Handling pinning, starring and reacting to messages and reactively updating state for better UX.





Learnings

- Creating a React.js component library.
- Rocket.Chat API and SDK.
- Emojis
- Google API
- Browser Cookies





What's Next?

general
This is the general room lets have a deep talk!



Sidharth Mohanty @sidharth.mohanty Sun Aug 28 2022
s0xvz0b



Sidharth Mohanty @sidharth.mohanty Sun Aug 28 2022
safhaslfn



Sidharth Mohanty @sidharth.mohanty Sun Aug 28 2022



Sidharth Mohanty @sidharth.mohanty Sun Aug 28 2022
notebook.js

Message

- Handling of Attachments
- THREADS!!!!





Thanks!

Questions?



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