



Frosty for Twitch

Tommy Chow

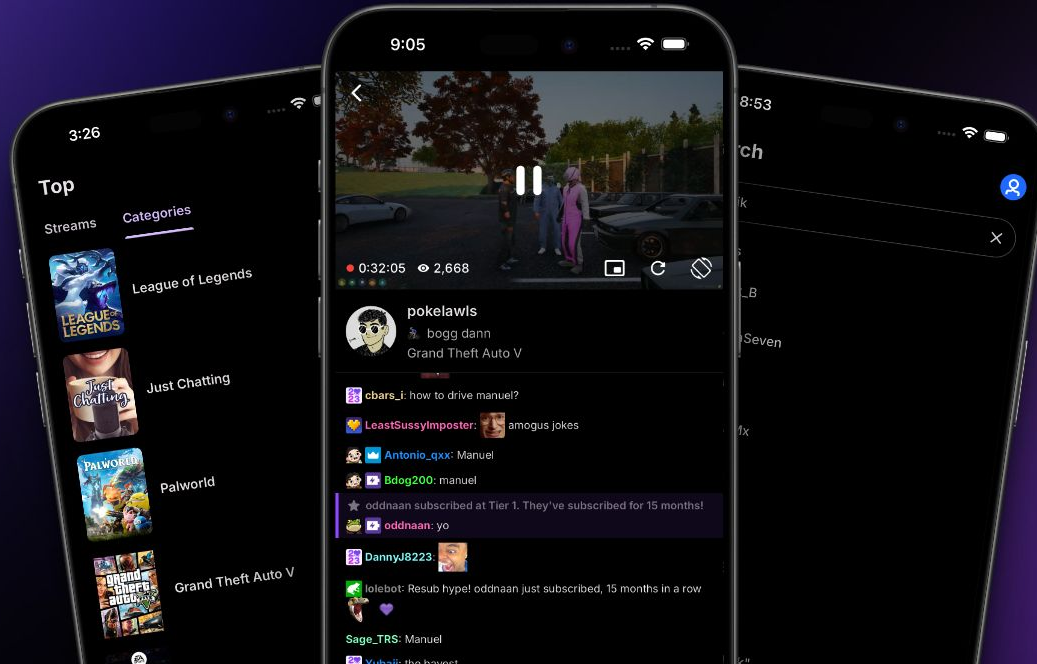


Table of contents

1. About me
2. The Twitch ecosystem
3. What is Frosty?
4. Developing Frosty
5. Challenges
6. Release and marketing
7. Post-release
8. Results and metrics
9. Future plans
10. Questions

About me

Hello, I'm Tommy!

- Software engineer (frontend/web/mobile) currently based in NYC
- Attended University at Buffalo for CS, graduated in 2022
- Worked at Wildr (early-stage social media startup) in 2023
- Enjoys PC gaming, building mechanical keyboards, and loves dogs



The Twitch ecosystem

Twitch is a social live-streaming platform

The screenshot displays the Twitch website's 'Games' section. At the top, there is a navigation bar with 'Browse', a search bar, and 'Log In' and 'Sign Up' buttons. Below the navigation bar, the 'RECOMMENDED CHANNELS' list includes GamesDoneQuick (72.3K), LCS (68.4K), Jynxzi (50.8K), Gaules (41.8K), KaiCenat (38.7K), ElMariana (32.2K), GRONKH (28.9K), ehokas (28.1K), Emiru (27.8K), and Tumburr (23.4K). The main heading 'Games' is followed by the text 'Live streams of all your favorite games, from shooters to platformers and everything in between'. Below this, there are category tabs for Games, IRL, Music, Esports, and Creative. The 'Recommended Games' section features a grid of game covers with their respective viewer counts and genres: Palworld (312K viewers, Shooter/RPG), League of Legends (275K viewers, RPG/Strategy), Grand Theft Auto V (251K viewers, FPS/Shooter), Minecraft (180K viewers, Simulation), Fortnite (160K viewers, Shooter/RPG), EA Sports FC 24 (97.7K viewers, Simulation), VALORANT (95.3K viewers, FPS/Shooter), Counter-Strike (84K viewers, FPS/Shooter), Lost Judgment (80.3K viewers, RPG/Action), and Escape from Tarkov (80.1K viewers, FPS/Shooter). The 'Recommended Gaming Streams' section shows five live streams: GamesDoneQuick (72.3K viewers), LCS (66.4K viewers), Jynxzi (50.8K viewers), Gaules (41.8K viewers), and KaiCenat (38.7K viewers). Each stream includes a thumbnail, viewer count, and a list of tags.

Games

Live streams of all your favorite games, from shooters to platformers and everything in between

Games IRL Music Esports Creative

Recommended Games

Game	Viewers	Genre(s)
Palworld	312K	Shooter, RPG
League of Legends	275K	RPG, Strategy
Grand Theft Auto V	251K	FPS, Shooter
Minecraft	180K	Simulation
Fortnite	160K	Shooter, RPG
EA Sports FC 24	97.7K	Simulation
VALORANT	95.3K	FPS, Shooter
Counter-Strike	84K	FPS, Shooter
Lost Judgment	80.3K	RPG, Action
Escape from Tarkov	80.1K	FPS, Shooter

Recommended Gaming Streams

Stream	Viewers	Tags
GamesDoneQuick: Lost Judgment	72.3K	speedrun, English
LCS: LCS Opening Day Pres...	66.4K	LCS, leagueoflegends, Esports
Jynxzi: Tom Clancy's Rainbow Six Siege	50.8K	funny, LOUD, ADHD, English
Gaules: Counter-Strike	41.8K	Portugués, brasil, fps, cs
KaiCenat: Madden NFL 24	38.7K	short, AMP, English, ADD

Show More Recommended Gaming Streams



STREAM CHAT

50 KoZa... 40 HerrErlau...

Predict with Channel Points
2.1M vs 5.3M **Predict**

tuhdor: GLAZE ALL OVER HIM MUGA

Chow_peepoHappy: baseg

nlksmesh420: xdd omE

Replying to @FURI: I would feed him to my birds

heresnobodyhere: D:

Fossabot: All my socials:
linktr.ee/ohnePixel

justachi: ahahhahahahaha

Replying to @FURI: I would feed him to my birds

iggixd: GIGACHAD

Nugget_420_: xdd

FiftyShadesOfPotatoDarker: D:

wilkkku_1234: D:

mr_broken_man: 8 hour steam ftw lets gooooo

domii34522323: XDD

slowcamry: DID THE MATCH END?

hotglue: unglaze D:

Atomix_CS: Alarm KQLY smoked him xdd
<https://www.hltv.org/stats/matches/mapstatsid/17483/nostalgie-vs-penta-Alarm>

ToopakParkour: ??

xkroniik: xdd

justachi: xdd

Chillynder:

juic3_9999: KEKW

AJ_Jawn: true true

drjamali: xdd

justachi: Chat paused due to scroll

Send a message

0 Chat

A core feature of Twitch is the live chat



STREAM CHAT

HerrErlau... 75 gingerisbr...

Predict with Channel Points
2.1M vs 5.5M Predict

tuhdor: GLAZE ALL OVER HIM 🍌

Chow_peepoHappy:

hikamesh420:

Replying to @FURI: I would feed him to my birds

theresnobodyhere:

Fossabot: All my socials:
linktr.ee/ohnePixel

justachic: ahahahahahhah

Replying to @FURI: I would feed him to my birds

gglexd:

Nugget_420_:

FiftyShadesOfPotatoDarker:

wilku_1234:

mr_broken_man: 8 hour ftw lets gooooo

domii34522323: XDD

slowcamry: DID THE MATCH END?

hotglue: unglaze 🍌

AtomiX_CS: KQLY smoked him

<https://www.hltv.org/stats/matches/mapstatsid/17483/nostalgie-vs-penta>

ToopakParkour: ??

xkroniik:

justachic:

Chillynder:

juic3_9999:

Al_Jawn: true true

drjanath: Chat paused due to scroll

justachic: ?

Send a message

156.2K Chat

Enhanced by community third-party extensions

3 major web extensions with 7 million active users



betterttv.com Featured 4.7 ★ (10.3K ratings)

Extension Tools 4,000,000 users

Remove from Chrome



frankerfacez.com Featured 4.5 ★ (652 ratings)

Extension Just for Fun 1,000,000 users

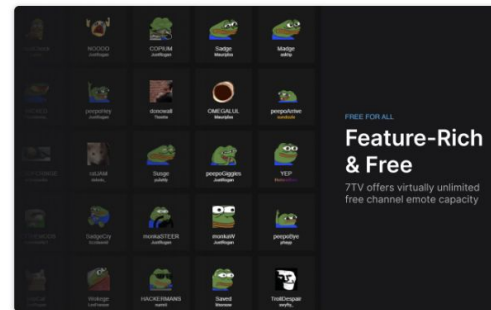
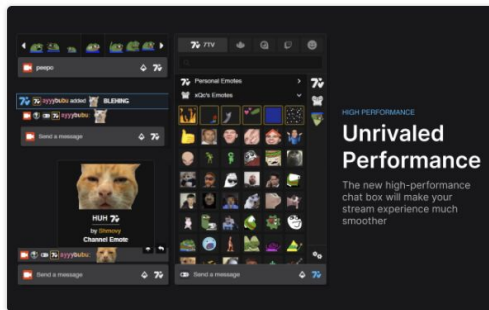
Remove from Chrome



7tv.app Featured 4.5 ★ (3.1K ratings)

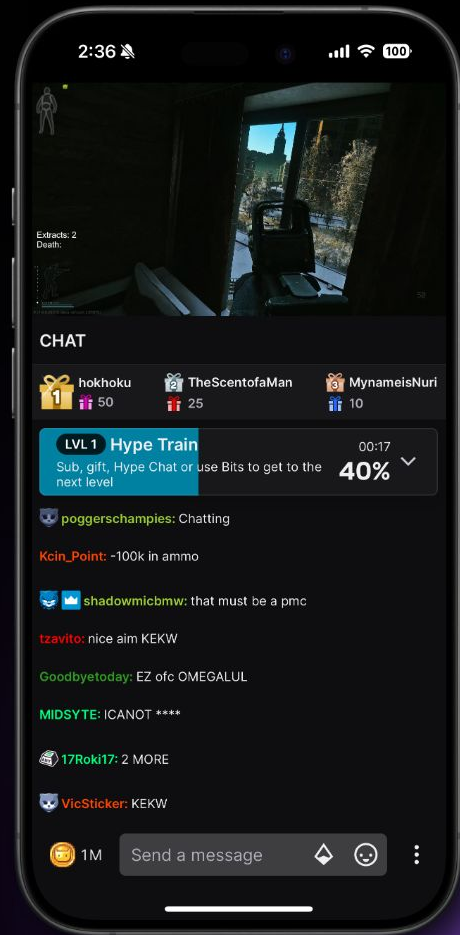
Extension Social Networking 2,000,000 users

Remove from Chrome

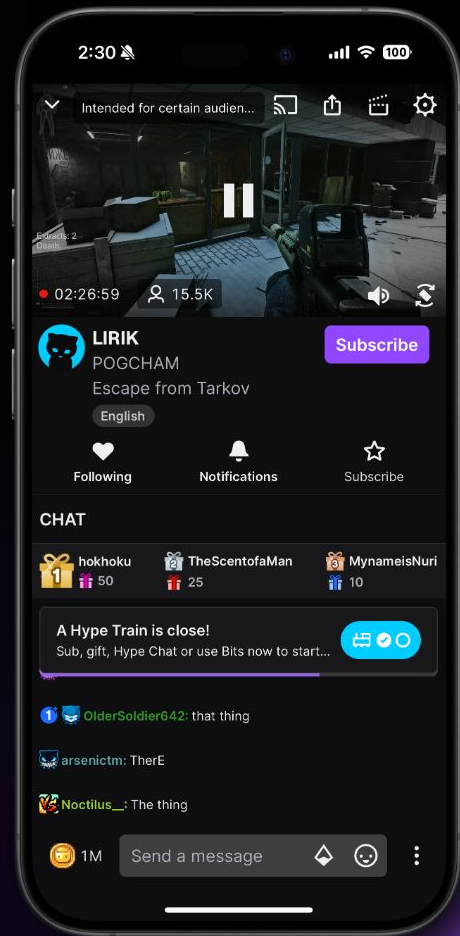


2 problems with the Twitch mobile app

No extensions on mobile,
so no third-party emotes

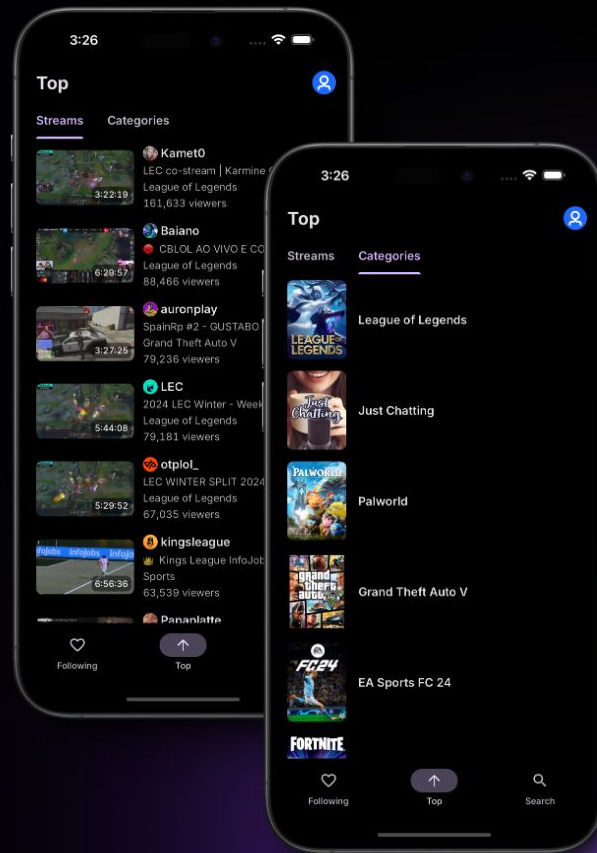


The channel interface is cluttered and bloated

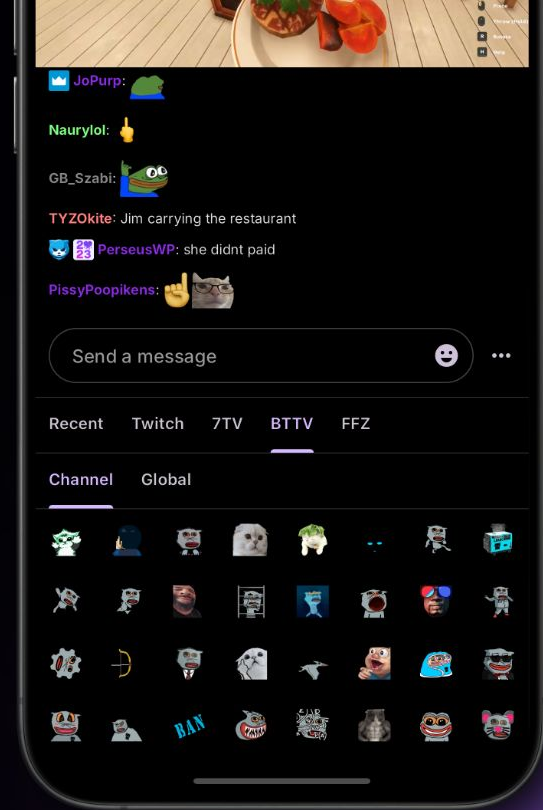


What is Frosty?

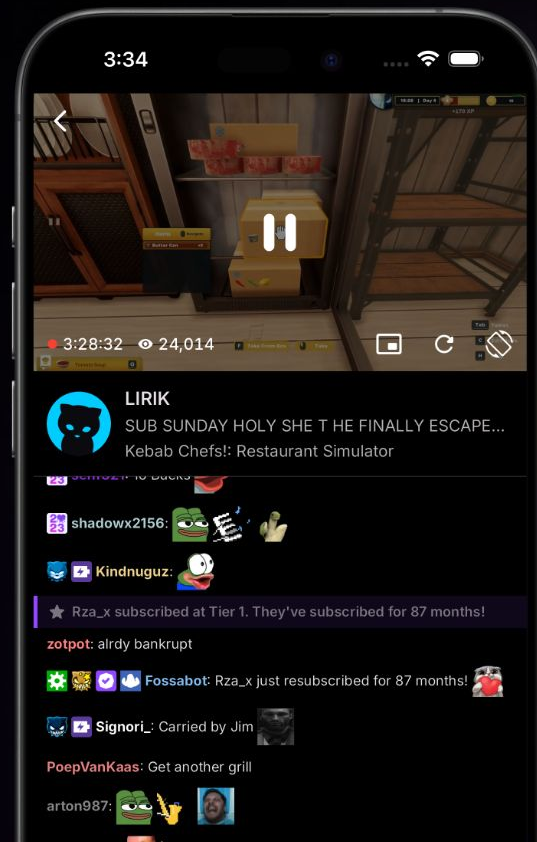
Frosty is a fully-featured mobile client for Twitch



It brings quality-of-life features and third-party emote support



All while maintaining the
core features of Twitch



It's also completely free and open-source

The screenshot shows the GitHub repository page for `tommychow/frosty`. The repository is public and has 30 forks and 506 stars. The main branch is selected, showing 4 branches and 33 tags. The repository description is: "A mobile Twitch client for iOS and Android with 7TV, BetterTTV (BTTV), and FrankerFaceZ (FFZ) support." The repository is licensed under AGPL-3.0. The file list includes `.github`, `android`, `assets`, `ios`, `lib`, `test`, `.gitignore`, `.metadata`, `LICENSE`, `README.md`, `analysis_options.yaml`, `pubspec.lock`, and `pubspec.yaml`. The README section is partially visible at the bottom.

Product Solutions Open Source Pricing

Search or jump to... Sign in Sign up

tommychow / frosty Public

Sponsor Notifications Fork 30 Star 506

Code Issues 59 Pull requests 1 Actions Projects 3 Security Insights

main 4 Branches 33 Tags Go to file Code

tommychow Release v4.3.0 796c4d8 · last month 1,004 Commits

.github	Revert "Delete LC_ALL and LANG from action"	2 months ago
android	Release v4.3.0	last month
assets	Update Inter font to v4	last month
ios	Release v4.3.0	last month
lib	Use tabular figures for viewer count	last month
test	Migrate 7TV emotes to V3 API (#287)	3 months ago
.gitignore	Upgrade Flutter/Dart and dependencies (#265)	8 months ago
.metadata	Upgrade Flutter/Dart and dependencies (#265)	8 months ago
LICENSE	Create LICENSE	2 years ago
README.md	Update README	last month
analysis_options.yaml	Update to Material 3/You and other changes/fixes (#280)	3 months ago
pubspec.lock	Upgrade packages	last month
pubspec.yaml	Release v4.3.0	last month

Readme AGPL-3.0 license

About

A mobile Twitch client for iOS and Android with 7TV, BetterTTV (BTTV), and FrankerFaceZ (FFZ) support.

frostyapp.io

android dart chat ios firebase twitch streaming video ffz stream frontend mobx fastlane vscode actions flutter chat-application flutter-apps flutter-examples github-actions

Readme AGPL-3.0 license Activity 506 stars 6 watching 30 forks Report repository

Releases 31

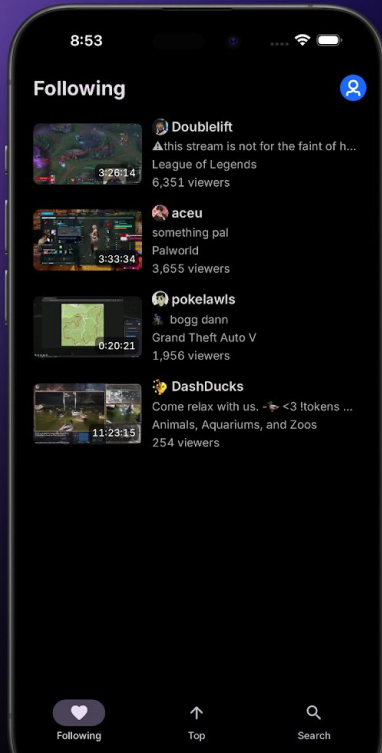
v4.3.0 Latest last month +30 releases

Sponsor this project

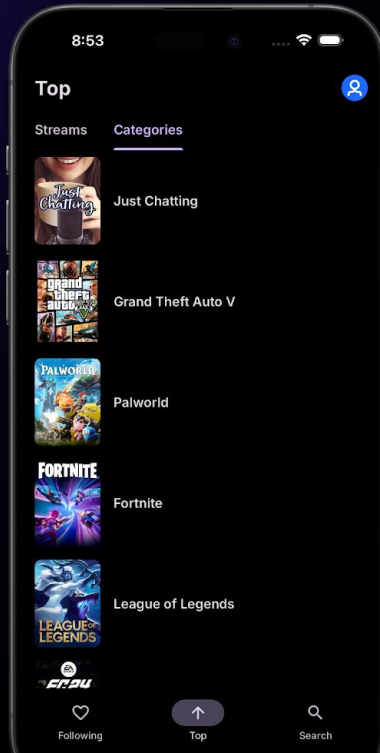
tommychow Tommy Chow

Feature highlights

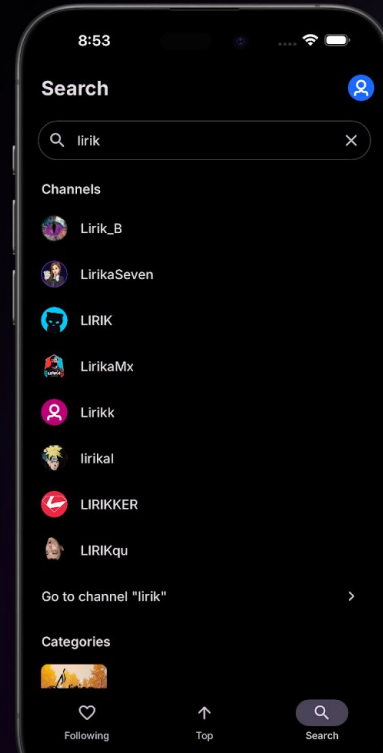
Browse followed streams



Browse by top categories

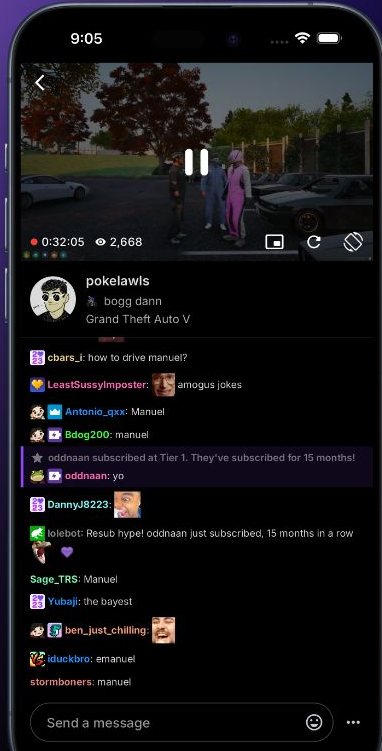


Search for channels and categories

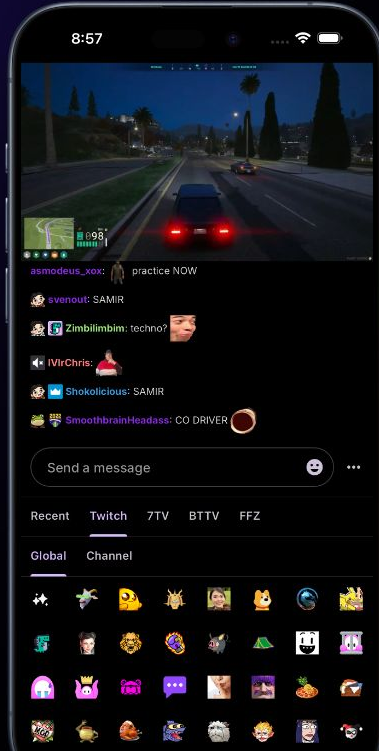


Feature highlights

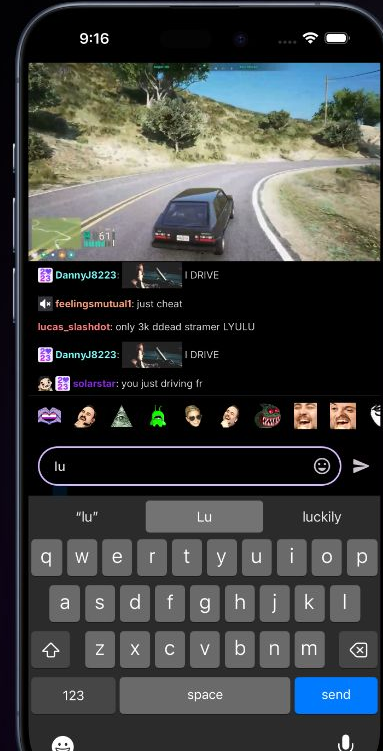
Watch live streams
with chat



See every third-party
emote



Better chatting with
autocomplete

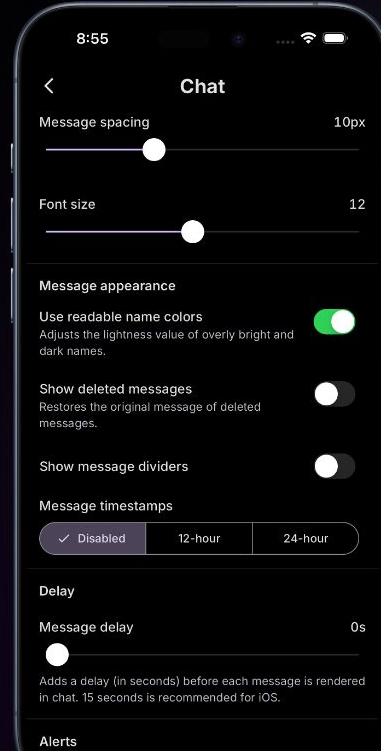
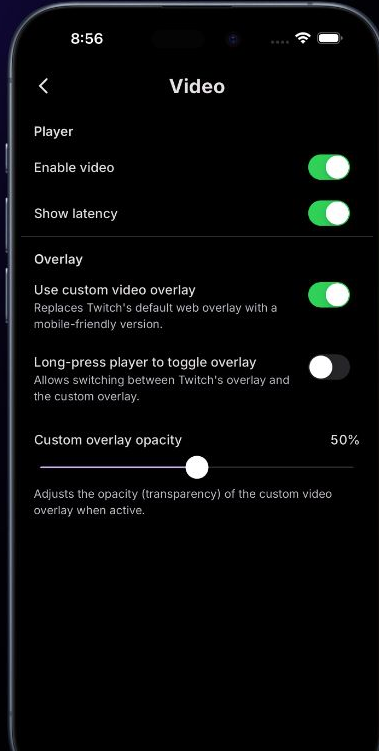
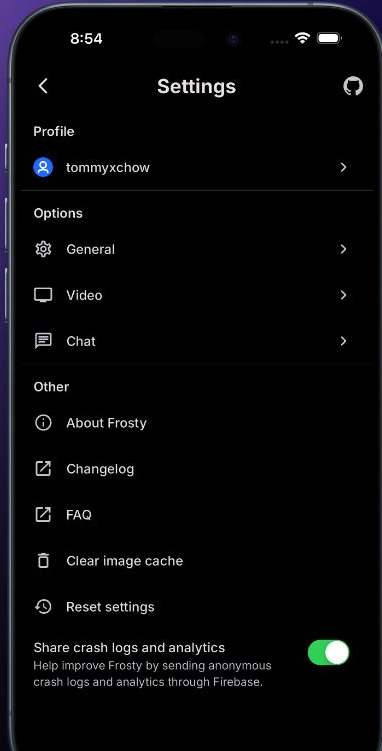


Feature highlights

Lots

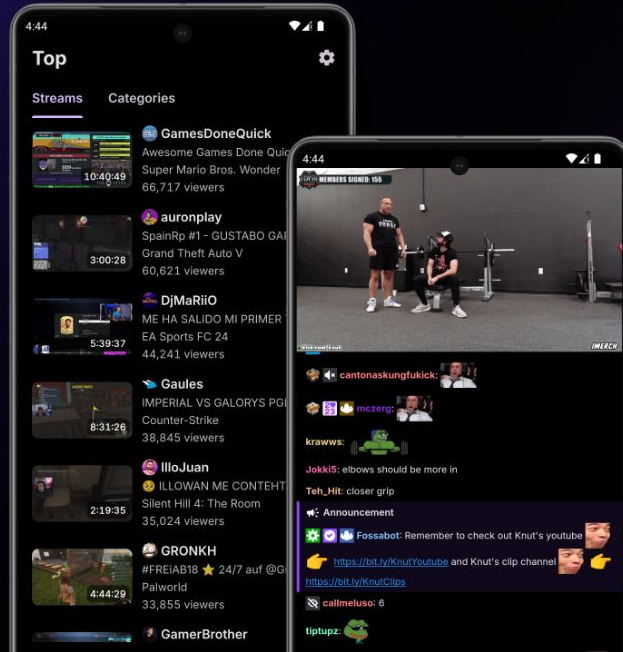
of

customizability



Feature highlights

Available on Android too

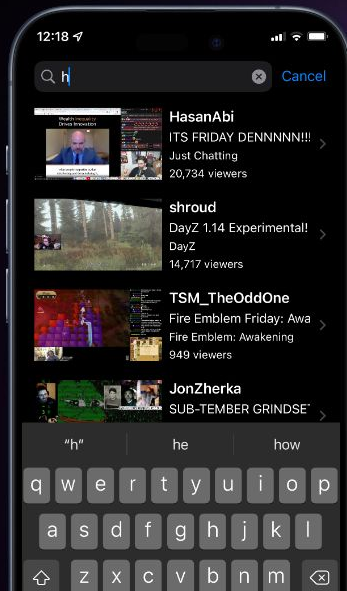
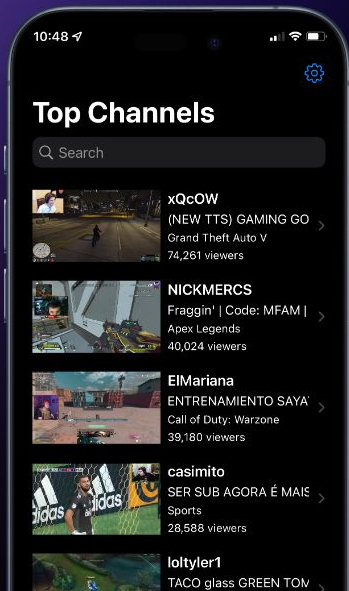


Developing Frosty



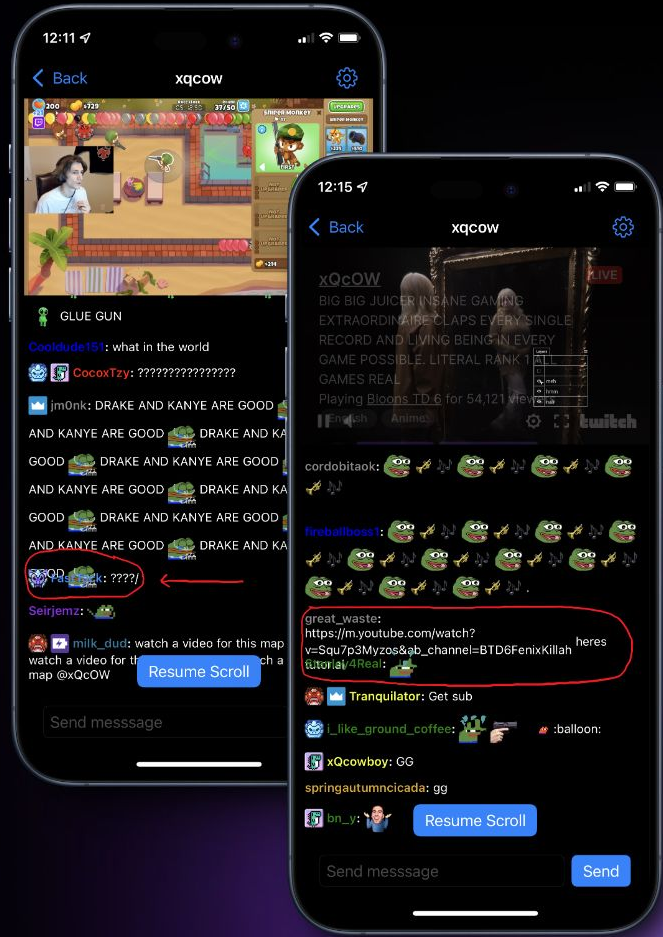
Starting out with SwiftUI

- Relatively new and trendy, native performance and features
- Easy to prototype, uses a standardized MVVM pattern
- Had a honeymoon phase, but then problems began to show



Problems with SwiftUI

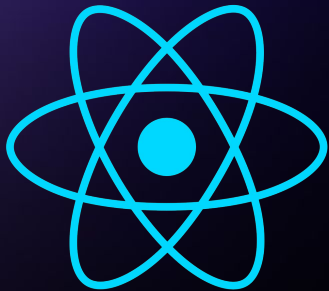
- Layouts views were not complex enough, no flexbox or HTML-like inline span
- Duplicate GIF emotes aren't synced
- Lack of documentation



Exploring other frameworks

React Native (Expo)

- Layouts are better (flex and inline span)
- Duplicate GIFs are **not** synced
- Early inconsistencies between iOS and Android due to different native views



React Native

Flutter

- TextSpan and WidgetSpan widgets
- Duplicate GIFs are synced
- Uses a custom rendering engine (Skia/Impeller) so visuals are identical across platforms



Flutter

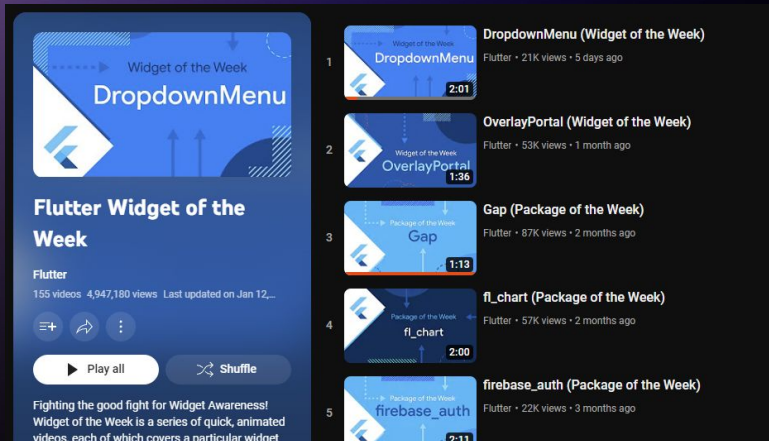
Working with Flutter

Pros

- Easy to pick up, very similar to React and JavaScript/TypeScript
- Official and community documentation
- Large standard widget library with good defaults and styles

Cons

- Earlier Skia engine caused noticeable jank (fixed recently with Impeller)
- Uncanny valley with “fake” views
- Nesting can get pretty messy

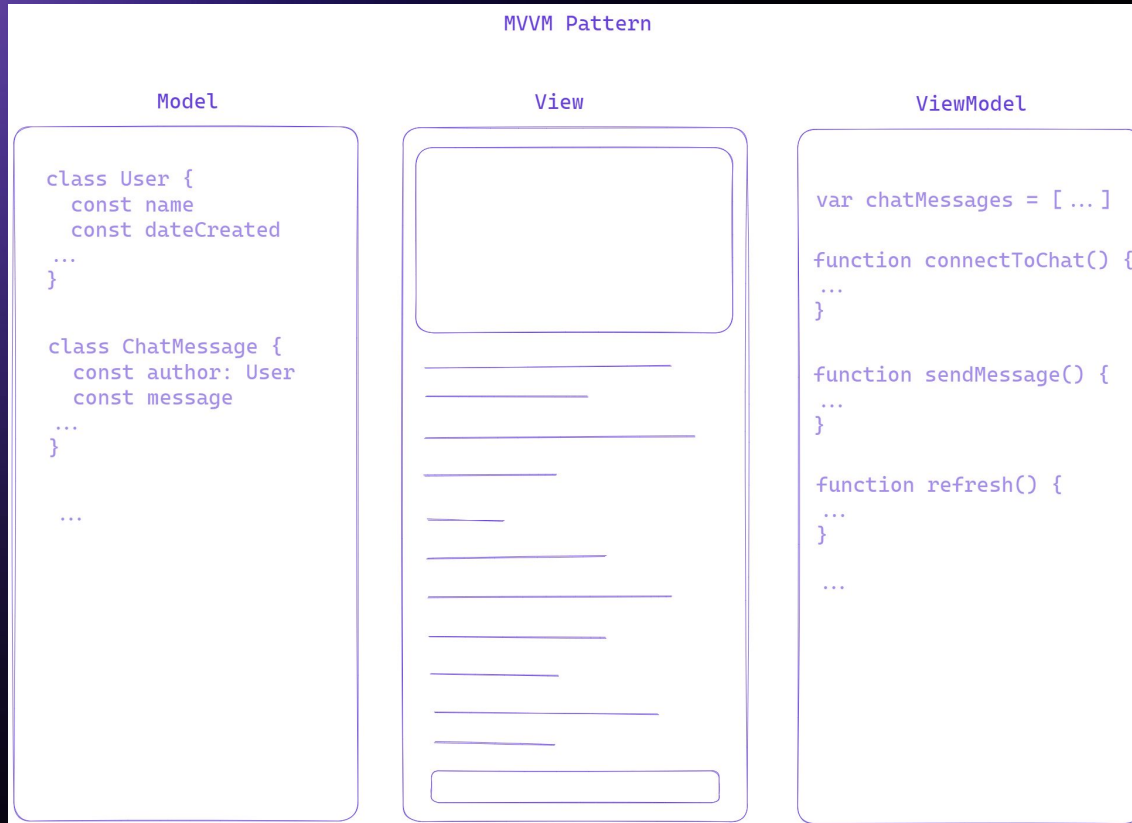


```
15 @override
16 Widget build(BuildContext context) {
17   return Container(
18     decoration: BoxDecoration(
19       color: Colors.grey.shade900,
20       borderRadius: BorderRadius.circular(8),
21     ), // BoxDecoration
22     margin: const EdgeInsets.all(10),
23     child: Row(
24       children: [
25         Expanded(
26           child: Padding(
27             padding: const EdgeInsets.all(10),
28             child: Row(
29               children: [
30                 const Icon(
31                   Icons.info_outline_rounded,
32                   color: Colors.white,
33                 ), // Icon
34                 const SizedBox(width: 10),
35                 Expanded(
36                   child: Text(
37                     message,
38                     style: const TextStyle(
39                       color: Colors.white,
40                       fontWeight: FontWeight.w500,
41                       overflow: TextOverflow.ellipsis,
42                       // TextStyle
43                     ), // Text
44                   ), // Text
45                 ), // Expanded
46               ], // Row
47             ), // Padding
48           ), // Expanded
49         ], // Row
50       ), // Expanded
51     ), // Row
52   ), // Container
53 );
```

Frosty architecture overview



Separation of concerns with MVVM pattern





- lib
- apis
- models
 - badges.dart
 - badges.g.dart
 - category.dart
 - category.g.dart
 - channel.dart
 - channel.g.dart
 - chatters.dart
 - chatters.g.dart
 - emotes.dart
 - emotes.g.dart
 - events.dart
 - events.g.dart
 - irc.dart
 - stream.dart
 - stream.g.dart
 - user.dart
 - user.g.dart
- screens
- widgets
- constants.dart
- firebase_options.dart
- main.dart
- theme.dart
- utils.dart



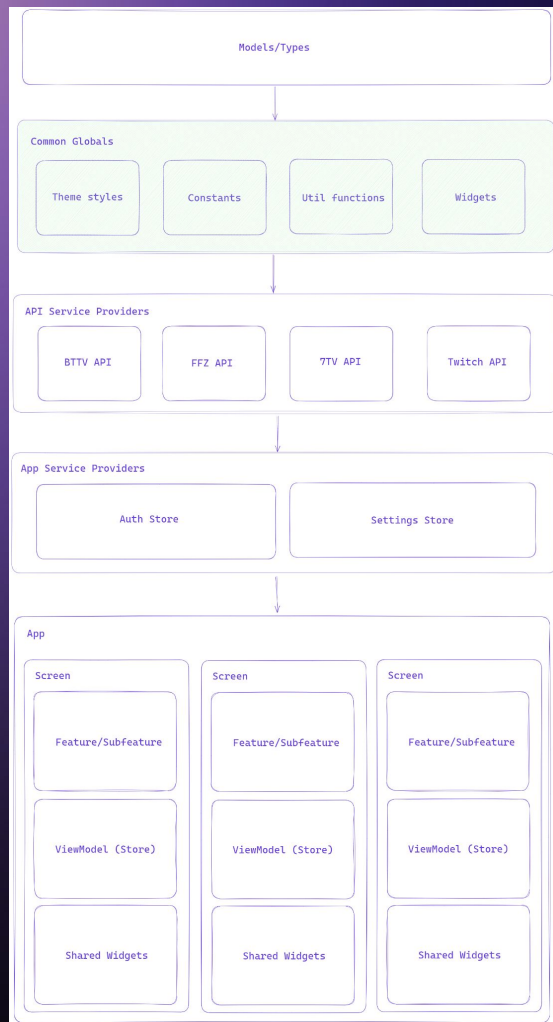
```

4
5 @JsonSerializable(createToJson: false, fieldRename: FieldRename.snake)
   Tommy, 9 months ago | 2 authors (tommyxchow and others)
6 class CategoryTwitch {
7     final String boxArtUrl;
8     final String id;
9     final String name;
10
11     const CategoryTwitch(
12         this.boxArtUrl,
13         this.id,
14         this.name,
15     );
16
17     factory CategoryTwitch.fromJson(Map<String, dynamic> json) =>
18         _$CategoryTwitchFromJson(json);
19 }
  
```



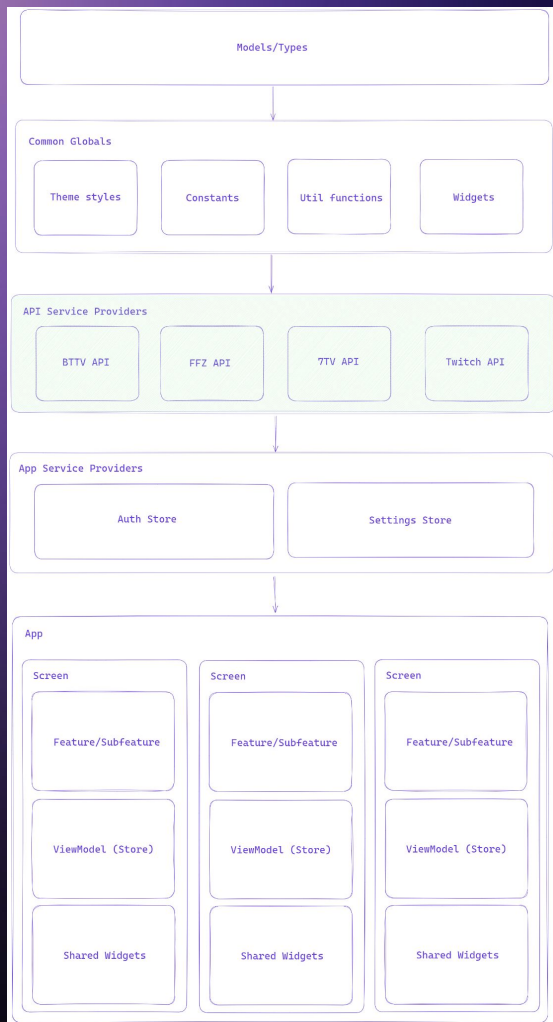
```

lib
├── apis
├── models
├── screens
├── widgets
│   ├── alert_message.dart
│   ├── app_bar.dart
│   ├── block_report_modal.dart
│   ├── cached_image.dart
│   ├── dialog.dart
│   ├── loading_indicator.dart
│   ├── notification.dart
│   ├── page_view.dart
│   ├── profile_picture.dart
│   ├── scroll_to_top_button.dart
│   ├── section_header.dart
│   ├── uptime.dart
│   ├── constants.dart
│   ├── firebase_options.dart
│   ├── main.dart
│   ├── theme.dart
│   └── utils.dart
  
```



```

2
3  /// A simple widget that displays an alert message in the center.
4  You, 3 months ago | 1 author (You)
5  class AlertMessage extends StatelessWidget {
6    final String message;
7    final Color? color;
8    final bool centered;
9
10   const AlertMessage({
11     super.key,
12     required this.message,
13     this.centered = true,
14     this.color,
15   });
16
17   @override
18   Widget build(BuildContext context) {
19     return Row(
20       mainAxisAlignment:
21         centered ? MainAxisAlignment.center : MainAxisAlignment.start,
22       children: [
23         Icon(
24           Icons.info_outline_rounded,
25           color: color ?? Colors.grey,
26         ), // Icon
27         const SizedBox(width: 8),
28         Flexible(
29           child: Text(
30             message,
31             style: TextStyle(
32               fontWeight: FontWeight.w500,
33               color: color ?? Colors.grey,
34             ), // TextStyle
35           ), // Text
36         ), // Flexible
37       ],
38     ); // Row
39   }
40 }
  
```

```
lib
├── apis
│   ├── bttv_api.dart
│   ├── ffz_api.dart
│   ├── seventv_api.dart
│   └── twitch_api.dart
├── models
├── screens
├── widgets
├── constants.dart
├── firebase_options.dart
├── main.dart
├── theme.dart
└── utils.dart
```



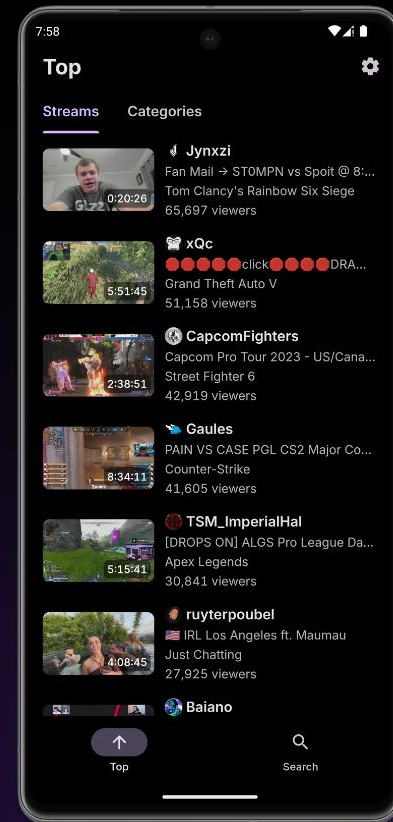
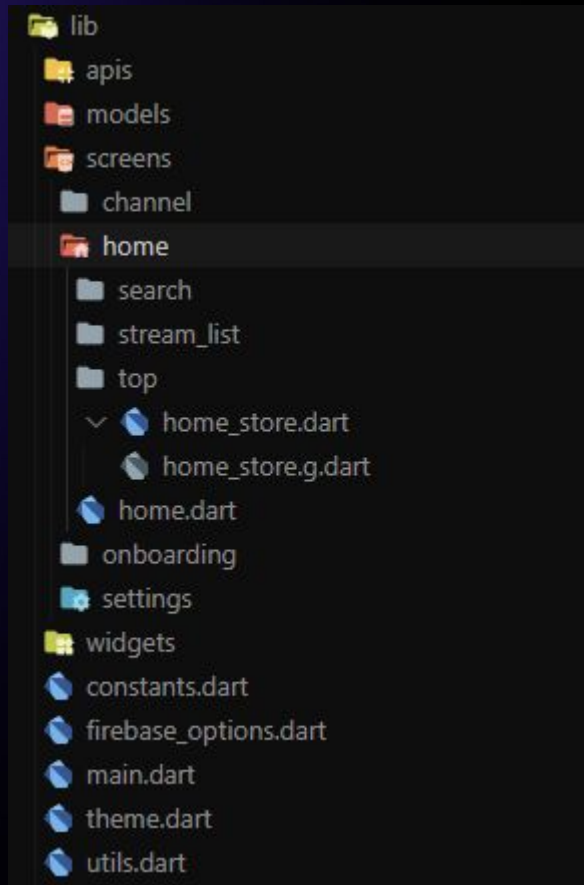
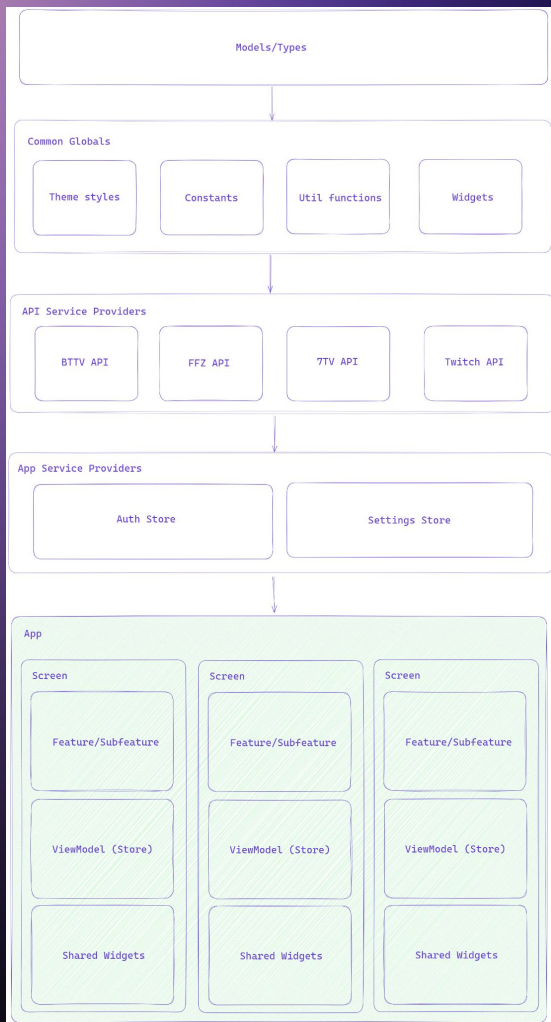
```

386
387
388 // Returns a [CategoriesTwitch] object containing the category info corresponding to the provided [gameId].
389 Future<CategoriesTwitch> getCategory({
390   required Map<String, String> headers,
391   required String gameId,
392 }) async {
393   final url = Uri.parse('https://api.twitch.tv/helix/games?id=$gameId');
394   final response = await _client.get(url, headers: headers);
395   final decoded = jsonDecode(response.body);
396   if (response.statusCode == 200) {
397     return CategoriesTwitch.fromJson(decoded);
398   } else {
399     return Future.error('Failed to get category: ${decoded['message']}');
400   }
401 }
  
```



```

197
198 // Logs in the user with the provided [token] and updates fields accordingly upon successful login.
199 @action
200 Future<void> login({required String token}) async {
201   try {
202     // Validate the custom token.
203     _tokenIsValid = await twitchApi.validateToken(token: token);
204     if (!_tokenIsValid) return;
205
206     // Replace the current default token with the new custom token.
207     _token = token;
208
209     // Store the user token.
210     await _storage.write(key: _userTokenKey, value: token);
211
212     // Initialize the user with the new token.
213     await user.init(headers: headersTwitch);
214
215     // Set the login status to logged in.
216     if (user.details != null) _isLoggedIn = true;
217   } catch (e) {
218     debugPrint('Login failed due to $e');
219   }
220 }
221
222 You, 2 years ago • Add Login/Logout, streamline token logic
223 // Logs out the current user and updates fields accordingly.
224 @action
225 Future<void> logout() async {
226   try {
227     // Delete the existing user token.
228     await _storage.delete(key: _userTokenKey);
229     _token = null;
230
231     // Clear the user info.
232     user.dispose();
233
234     // If the default token already exists, set it.
235     _token = await _storage.read(key: _defaultTokenKey);
236
237     // If the default token does not already exist or it's invalid, get the new default token and store it.
238     if (_token == null || !await twitchApi.validateToken(token: _token!)) {
239       _token = await twitchApi.getDefaultToken();
240       await _storage.write(key: _defaultTokenKey, value: _token);
241     }
242
243     // Set the login status to logged out.
244     _isLoggedIn = false;
245
246     debugPrint('Successfully logged out');
247   } catch (e) {
248     debugPrint(e.toString());
249   }
250 }
251
  
```

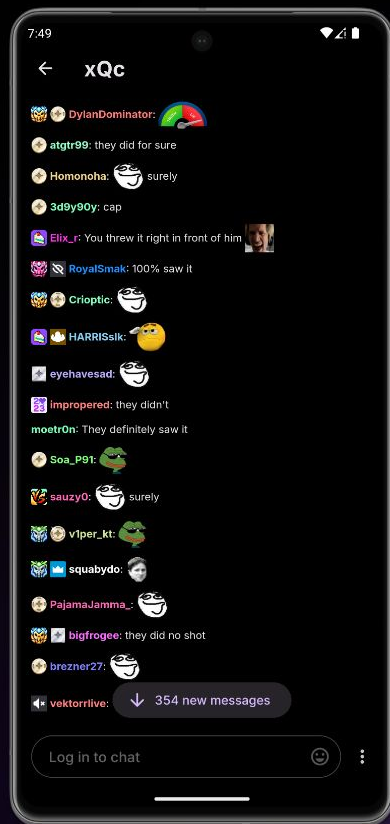


Challenges

Recreating the Twitch chat

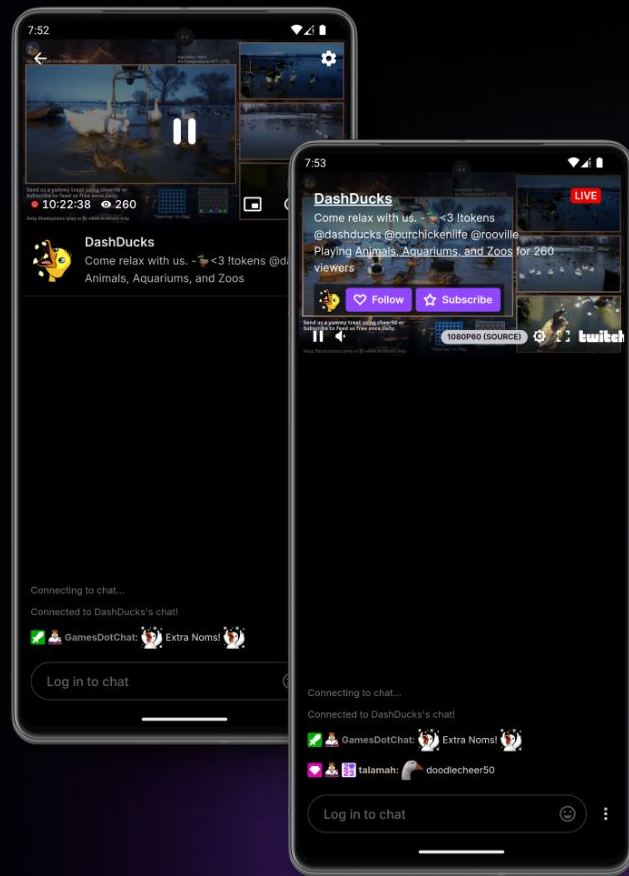
- Many intricacies with websockets and Internet Relay Chat (IRC) spec
- Making chat performant and able to withstand thousands of messages
- Lazy and batched rendering methods

```
@badge-info=;badges=premium/1;client-nonce=1a949a3826461765fbc17b9a414f0c4;color=#19B3A8;display-name=Test;emotes=;first-msg=0;flags=;id=f1050ef3-0d89-472a-a572-e3bfef81771e;mod=0;returning-chatter=0;room-id=94753024;subscriber=0;tmi-sent-ts=1705880990173;turbo=0;user-id=12345678;user-type=:test!test@test.tmi.twitch.tv PRIVMSG #xqc :this is test EMOTE message EMOTE hello EMOTE EMOTE
```



Implementing the video stream player

- Twitch doesn't provide raw stream URLs (.m3u8) in their public API
- Workaround was to use a web view with the web player embedded
- Custom Flutter overlay with JavaScript to control the web player



CI/CD with GitHub Actions and Fastlane

- Building and uploading to both stores for every release was tedious
- Made a deploy script that automates everything on a version tag push
- Took ~3 days to figure out but saved countless hours

Latest deployments from all environments

36 deployments

Release v4.3.0	Latest	Deployed to release-android by tommyxchow via Build and release Frosty #29	v4.3.0	Dec 22, 2023	...
Release v4.3.0		Deployed to release-ios by tommyxchow via Build and release Frosty #29	v4.3.0	Dec 22, 2023	...
Release v4.3.0		Deployed to release-android by tommyxchow via Build and release Frosty #29	v4.3.0	Dec 22, 2023	...
Release v4.3.0		Deployed to release-android by tommyxchow via Draft GitHub release #28	v4.3.0	Dec 22, 2023	...
Release v4.3.0		Failed to deploy to release-ios by tommyxchow via Build and release Frosty #29	v4.3.0	Dec 22, 2023	...
Release v4.2.1		Deployed to release-android by tommyxchow via Build and release Frosty #28	v4.2.1	Nov 30, 2023	...
Release v4.2.1		Deployed to release-android by tommyxchow via Draft GitHub release #27	v4.2.1	Nov 30, 2023	...
Release v4.2.1		Deployed to release-ios by tommyxchow via Build and release Frosty #28	v4.2.1	Nov 30, 2023	...
Shorten Android release notes		Deployed to release-android by tommyxchow via Build and release Frosty #27	msin (#140)	Nov 29, 2023	...
Shorten Android release notes		Deployed to release-ios by tommyxchow via Build and release Frosty #27	msin (#140)	Nov 29, 2023	...
Release v4.2.0		Failed to deploy to release-android by tommyxchow via Build and release Frosty #26	v4.2.0	Nov 29, 2023	...
Release v4.2.0		Deployed to release-android by tommyxchow via Draft GitHub release #26	v4.2.0	Nov 29, 2023	...
Release v4.2.0		Failed to deploy to release-ios by tommyxchow via Build and release Frosty #26	v4.2.0	Nov 29, 2023	...
Release v4.1.0		Deployed to release-ios by tommyxchow via Build and release Frosty #23	v4.1.0	Nov 24, 2023	...

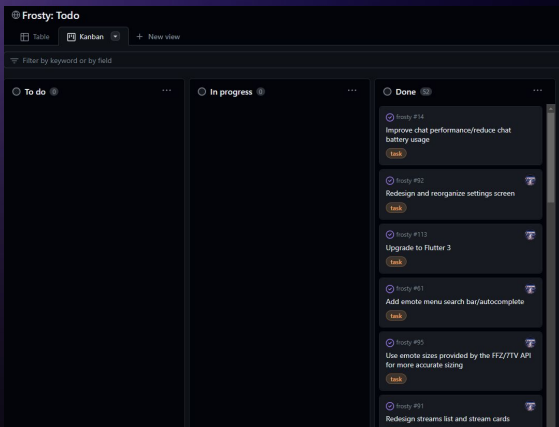
frosty / github / workflows /

tommyxchow Revert "Delete LC_ALL and LANG from action" 2a5a23e · 2 months ago History

Name	Last commit message	Last commit date
...		
ci.yml	Upgrade actions/checkout	3 months ago
gh-release.yml	Remove main branch push action	2 months ago
pr-check.yml	Upgrade actions/checkout	3 months ago
store-release.yml	Revert "Delete LC_ALL and LANG from action"	2 months ago

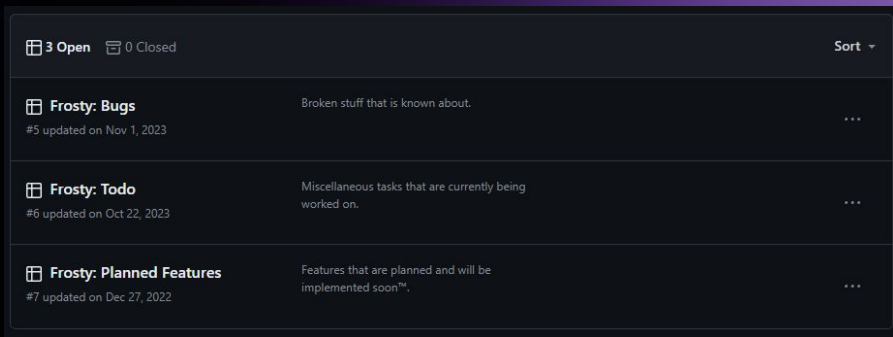
Project management

- A variety of tasks but not sure where to start
- Used GitHub Projects and Kanban to get an organized overview
- Helps prioritize stories and tasks



A screenshot of the Frosty: Todo table view. The table has columns for Title, Assignees, Status, Labels, and Linked pull requests. The tasks listed are:

Title	Assignees	Status	Labels	Linked pull requests
1 Improve chat performance/reduce chat battery usage #14		Done	task	→ #17
2 Redesign and reorganize settings screen #92	tommychow	Done	task	→ #92
3 Upgrade to Flutter 3 #113	tommychow	Done	task	→ #117 → #120
4 Add emote menu search bar/autocomplete #61	tommychow	Done	task	→ #92
5 Use emote sizes provided by the FIZZ/TV API for more accurate sizing #95	tommychow	Done	task	→ #95 → #102
6 Redesign streams list and stream cards #91	tommychow	Done	task	→ #92
7 FAQ link #93	tommychow	Done	task	→ #92
8 Reset all settings button #96	tommychow	Done	task	→ #92
9 Implement ability to stop playback after a certain period of time #84	tommychow	Done	task	
10 Add sleep timer button to overlay #83	tommychow	Done	task	
11 Add error handling for channel list to notify user when a request failed #34	tommychow	Done	task	
12 Add emote size slider (with preview) #56	tommychow	Done	task	
13 Add ability to clear cache #33	tommychow	Done	task	
14 Add chat message spacing slider #67	tommychow	Done	task	→ #68
15 Add font size slider (with preview) #65	tommychow	Done	task	→ #68
16 Implement exponential backoff #83	tommychow	Done	task	
17 Add error handling for chat stream to notify user when the connection fails #56	tommychow	Done	task	
18 Add error handling for assets requests to notify user when a request failed #35	tommychow	Done	task	
19 Implement search by category #43	tommychow	Done	task	→ #64
20 Build categories section screen #42	tommychow	Done	task	→ #64
21 Add API requests for top games and search categories #41	tommychow	Done	task	→ #64
22 Add API requests for user blocking and unblocking #52	tommychow	Done	task	→ #64
23 Add ability to block and unblock users in chat #54	tommychow	Done	task	→ #64



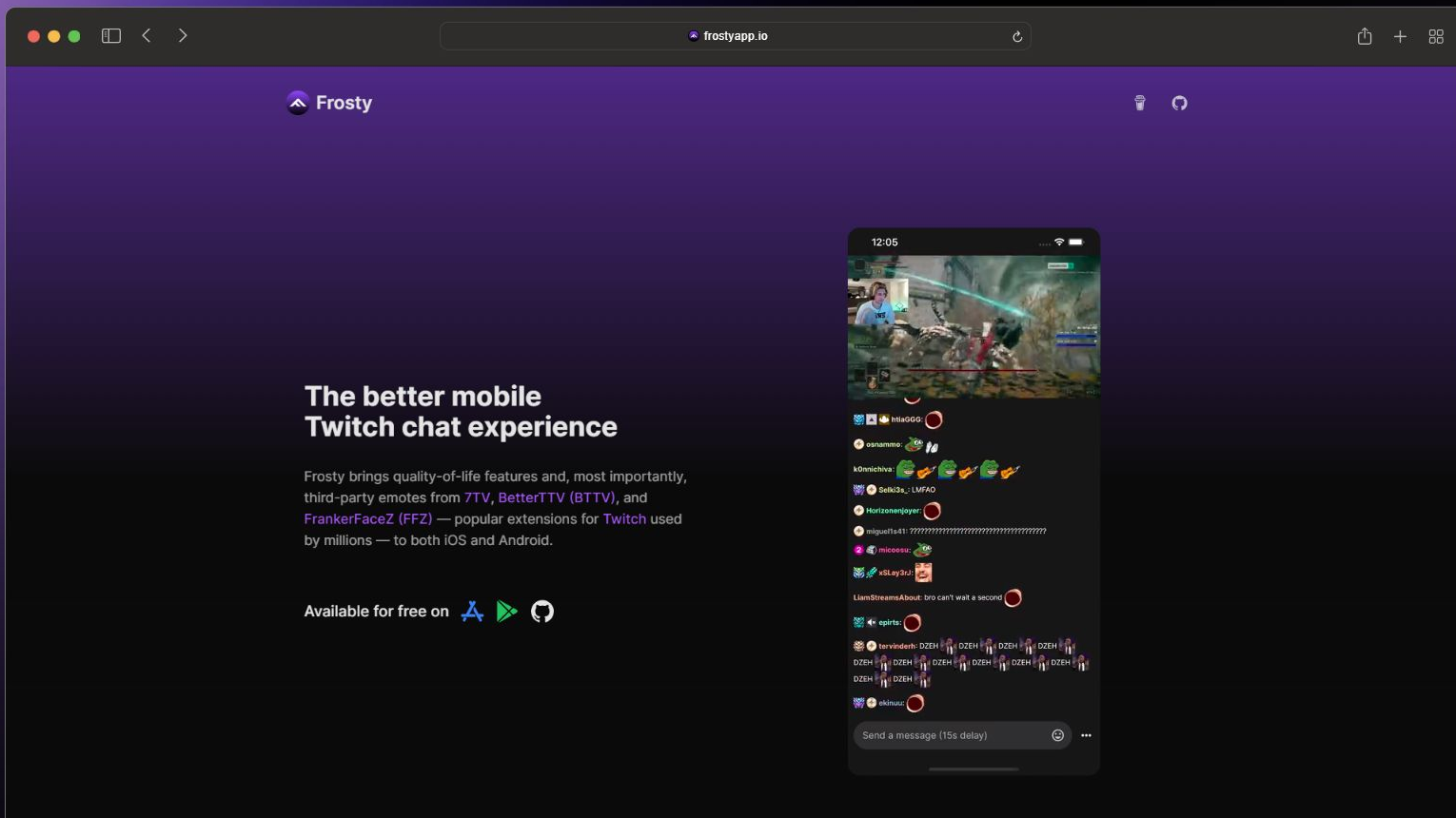
Release and marketing

Releasing on the app stores

- iOS TestFlight to ~100 Reddit users
- Play Store was easy, but App Store was surprisingly tedious
- Eventually published on Feb. 2022

The screenshot shows the 'Frosty for Twitch' app page in the App Store Connect dashboard. The top navigation bar includes the app name, a dropdown menu, and links for 'App Store', 'Services', 'TestFlight', and 'Xcode Cloud'. The main content area is titled 'iOS App Version 4.3.0' and includes a 'Save' button. Below this, there's a section for 'iOS Previews and Screenshots' with a 'View All Sizes in Media Manager' link. The 'Promotional Text' field contains the text: 'Watch and chat on Twitch with your favorite emotes from 7TV, BTTV, and FFXI!'. The 'Description' field contains: 'The better mobile Twitch chat experience. Frosty brings quality-of-life features and, most importantly, third-party emotes from 7TV, BetterTTV (BTTV), and FrankerFaceZ (FFZ) — popular extensions for Twitch used by millions.' The 'What's New in This Version' field lists 'New Features' and 'Improvements'. The left sidebar contains a navigation menu with categories like 'General', 'Features', 'App Review', and 'App Information'.

Marketing website built with Next.js



Frosty

Made for

New users
Discover the vast community of Twitch's most popular streams and categories, no login required.

Twitch regulars
Log in with your Twitch account to utilize features such as sending chat messages and blocking users.

Developers
Explore the free and open-source code on GitHub. Contributions and Issues are always welcome!

Features

♥ Browse followed streams

↑ Explore top streams and categories

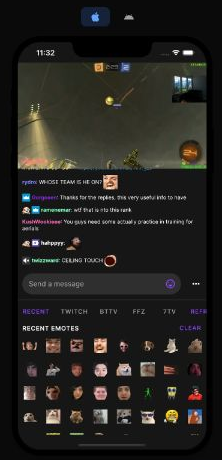
🔍 Search for channels and categories

🗨️ Watch streams with chat

⚙️ Customizable settings

And much more...

Autocomplete emotes and user mentions



“Guerilla” marketing on Reddit and Discord

The screenshot shows a Reddit thread with two posts and a link. The first post is a 'Mod-Permitted-Ad' from r/Twitch, and the second is a 'SUBMISSION' from r/xqcow. Both posts describe a free, open-source mobile Twitch app. The link below the posts is titled 'Frosty: open-source Twitch.tv client built with Flutter' and is marked as an 'Example'.

I made Frosty, a free mobile app with support for BTTV, FFZ, and...
Mod-Permitted-Ad
r/Twitch

TL;DR: I made a **completely free and open-source** mobile Twitch app for iOS and Android with support for BetterTTV (BTTV), FrankerFaceZ (FFZ), and 7TV emotes. You can download it now [here!](#)
[Screenshots](#)

437 ↑ ↓ 117 Comments Share ...

I missed having emotes in chat while watching xQc on my phon...
SUBMISSION
r/xqcow

TL;DR: I made a **completely free and open-source** app for Twitch with support for BetterTTV (BTTV), FrankerFaceZ (FFZ), and 7TV emotes. You can download it now [here!](#)

323 ↑ ↓ 81 Comments Share ...

New Hot Top

142 ↑ ↓ r/FlutterDev · Posted by u/Clamfucius 2 years ago
Frosty: open-source Twitch.tv client built with Flutter **Example**
frostyapp.io/

33 Comments Share Save Insights ...

Post-release

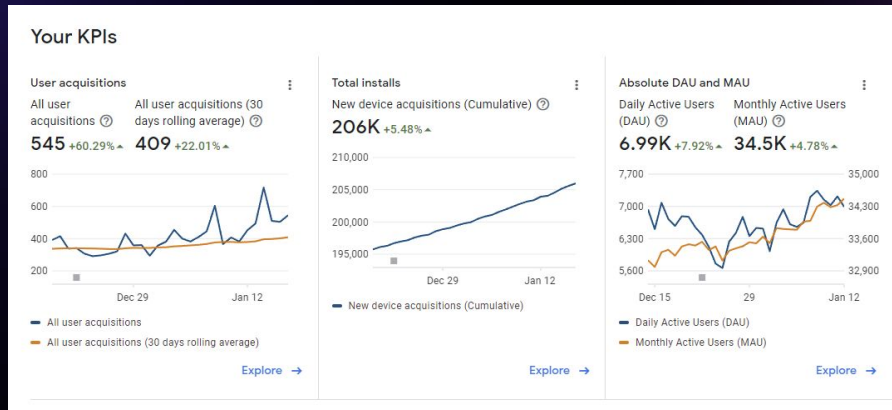
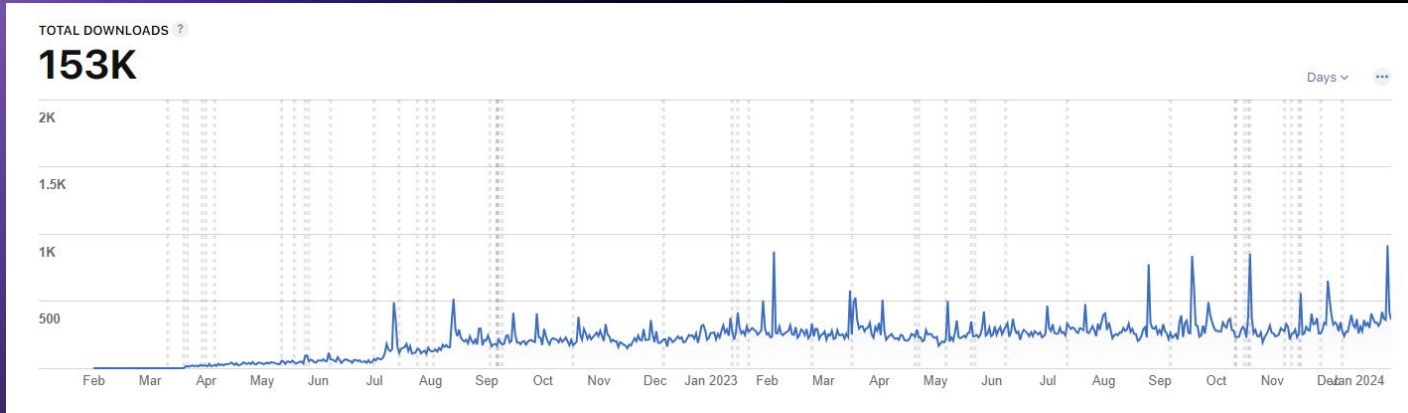
Post-release

- Maintaining the app with updates
- Addressing user feedback and feature requests
- Debugging bugs and crashes, API deprecations and more
- Contributor PR reviews

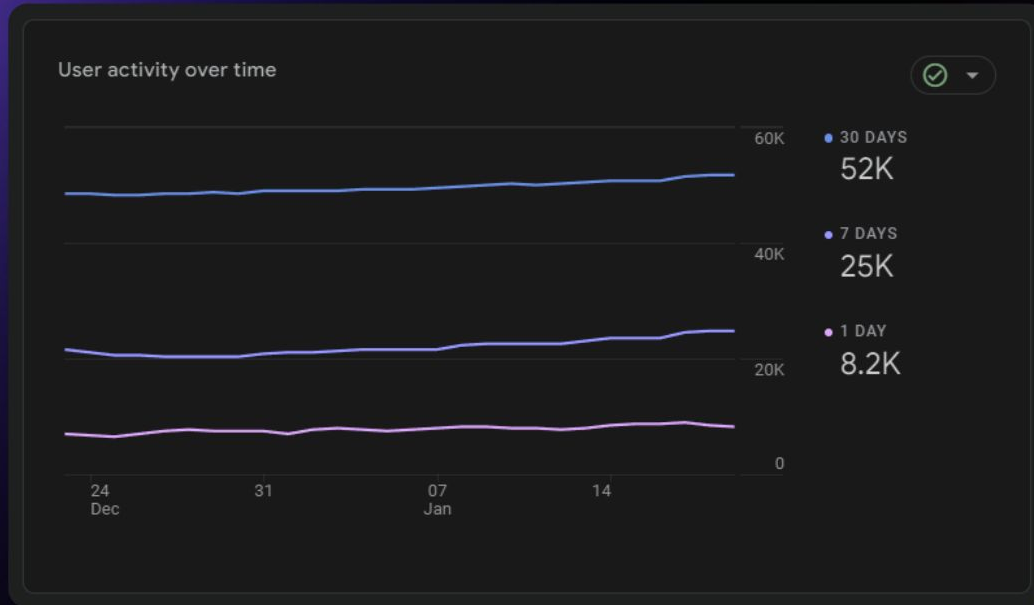
<input type="checkbox"/>	59 Open	✓ 149 Closed	Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	🔍	🔒	Frosty app icon					🗨️ 1
			#318 by x9136 was closed on Dec 21, 2023					
<input type="checkbox"/>	🔍	🔒	I am subbed to a channel but I still get ads. I am not sure why	bug				🗨️ 3
			#311 by tamusandesh99 was closed on Dec 22, 2023					
<input type="checkbox"/>	🔍	🔒	Missing username in chat app v4.2.0	bug				🗨️ 1
			#308 by sun-wise-man was closed on Nov 30, 2023					
<input type="checkbox"/>	🔍	🔒	App crashes on iOS 12	bug				🗨️ 3
			#303 by Jo7717 was closed on Dec 22, 2023					
<input type="checkbox"/>	🔍	🔒	Multiple text lines clip chat box edges	bug				🗨️ 1
			#296 by dezponia was closed on Nov 10, 2023					
<input type="checkbox"/>	🔍	🔒	Windows Client	feature request				🗨️ 1
			#293 by Schlafenzug was closed on Nov 10, 2023					
<input type="checkbox"/>	🔍	🔒	7tv emotes that should overlap do not on clientside	bug				🗨️ 1
			#290 by kenbeck13 was closed on Nov 1, 2023					
<input type="checkbox"/>	🔍	🔒	Frosty does not recognize when a channel has a custom name for a 7tv emote	bug				🗨️ 1
			#289 by kenbeck13 was closed on Nov 1, 2023					
<input type="checkbox"/>	🔍	🔒	7tv emotes	bug duplicate				🗨️ 2
			#288 by CAallIDay was closed on Nov 2, 2023					
<input type="checkbox"/>	🔍	🔒	7tv fixed	bug				🗨️ 2
			#286 by Zayroleex was closed on Nov 1, 2023					
<input type="checkbox"/>	🔍	🔒	Some of my followed streamers are covered in closed captioning	bug ios				🗨️ 1
			#279 by bruhcometme12 was closed on Oct 23, 2023					
<input type="checkbox"/>	🔍	🔒	Video signal freezes on Android Frosty app ver.3.1.4	bug				🗨️ 5
			#276 by Foplar was closed on Sep 19, 2023					
<input type="checkbox"/>	🔍	🔒	Other Channel's Subscriber Emotes Not Showing	bug				🗨️ 3
			#274 by moonphased was closed on Nov 1, 2023					
<input type="checkbox"/>	🔍	🔒	Unintentional automatic activation 'Closed captions'	bug				🗨️ 1
			#273 by atanzi was closed on Jun 21, 2023					
<input type="checkbox"/>	🔍	🔒	Emote search not working on 3.1.2	bug				🗨️ 2
			#266 by Jnoah was closed on Jun 2, 2023					
<input type="checkbox"/>	🔍	🔒	Emotes not showing up (recently)	bug				🗨️ 2
			#260 by ASSASSIN11305 was closed on Apr 29, 2023					

Results and metrics

350,000+ downloads



50,000+ monthly active users



2,500+ reviews and 4.5+ star rating



Frosty for Twitch ¹²⁺

See 7TV, BTTV, and FFZ emotes!

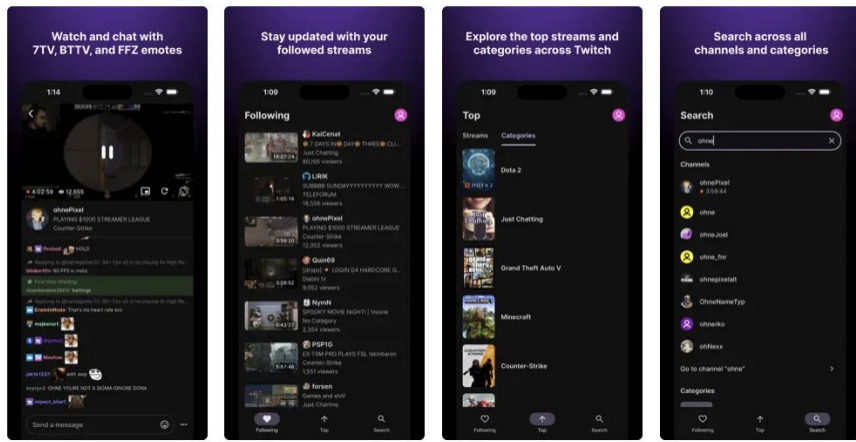
Tommy Chow

Designed for iPad

★★★★★ 4.6 • 655 Ratings

Free

Screenshots [iPad](#) [iPhone](#)



Frosty for Twitch

Tommy Chow

Contains ads

4.5★

2.06K reviews

100K+

Downloads



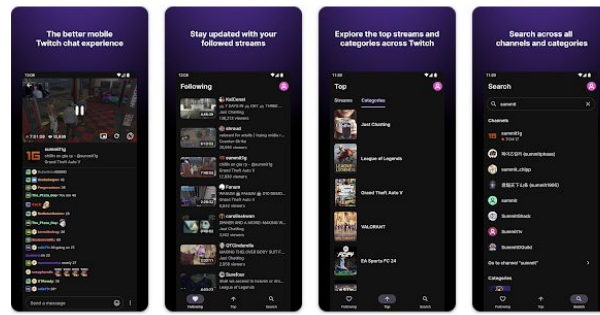
Teen

Install on more devices



Share

This app is available for some of your devices



15,000+ monthly website visitors

Unique Visitors

Total Unique Visitors

Previous 30 days

15.09k

Maximum Unique Visitors

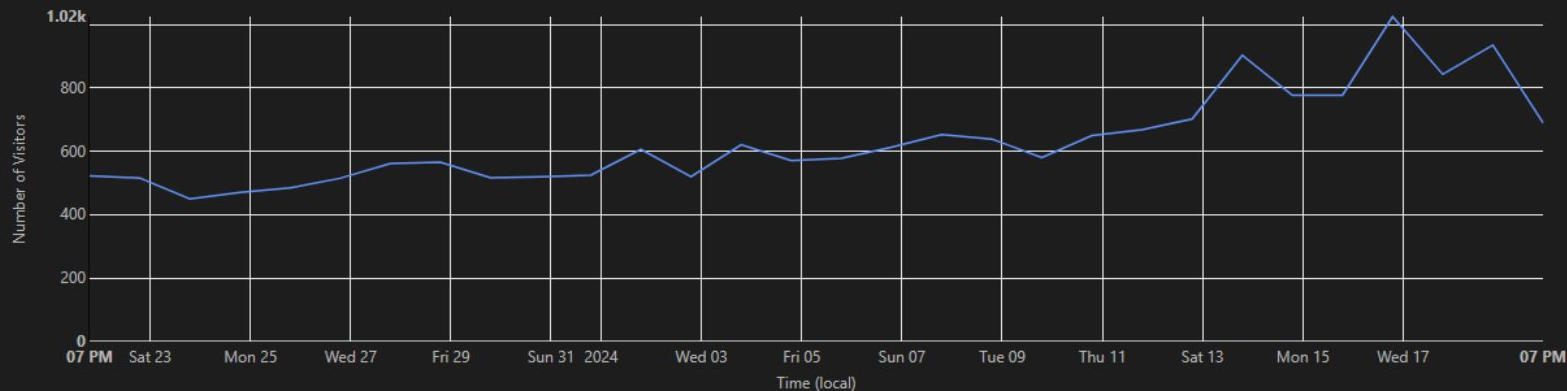
Per day

1.02k

Minimum Unique Visitors

Per day

450



500+ stars, 1,000+ commits, and 31 releases (4 major)

The screenshot shows the GitHub repository page for 'frosty' by 'tommyxchow'. The repository is public and has 507 stars, 31 forks, and 6 unwatchers. The repository has 4 branches and 33 tags. The commit history shows 1,004 commits. The file list includes .github, android, assets, ios, lib, test, .gitignore, .metadata, LICENSE, README.md, analysis_options.yaml, pubspec.lock, and pubspec.yaml. The 'About' section describes the project as a mobile Twitch client for iOS and Android with 7TV, BetterTTV (BTTV), and FrankerFaceZ (FFZ) support. The 'Releases' section shows 31 releases, with the latest being v4.3.0 from last month.

Repository Statistics:

- Stars: 507
- Forks: 31
- Commits: 1,004
- Releases: 31

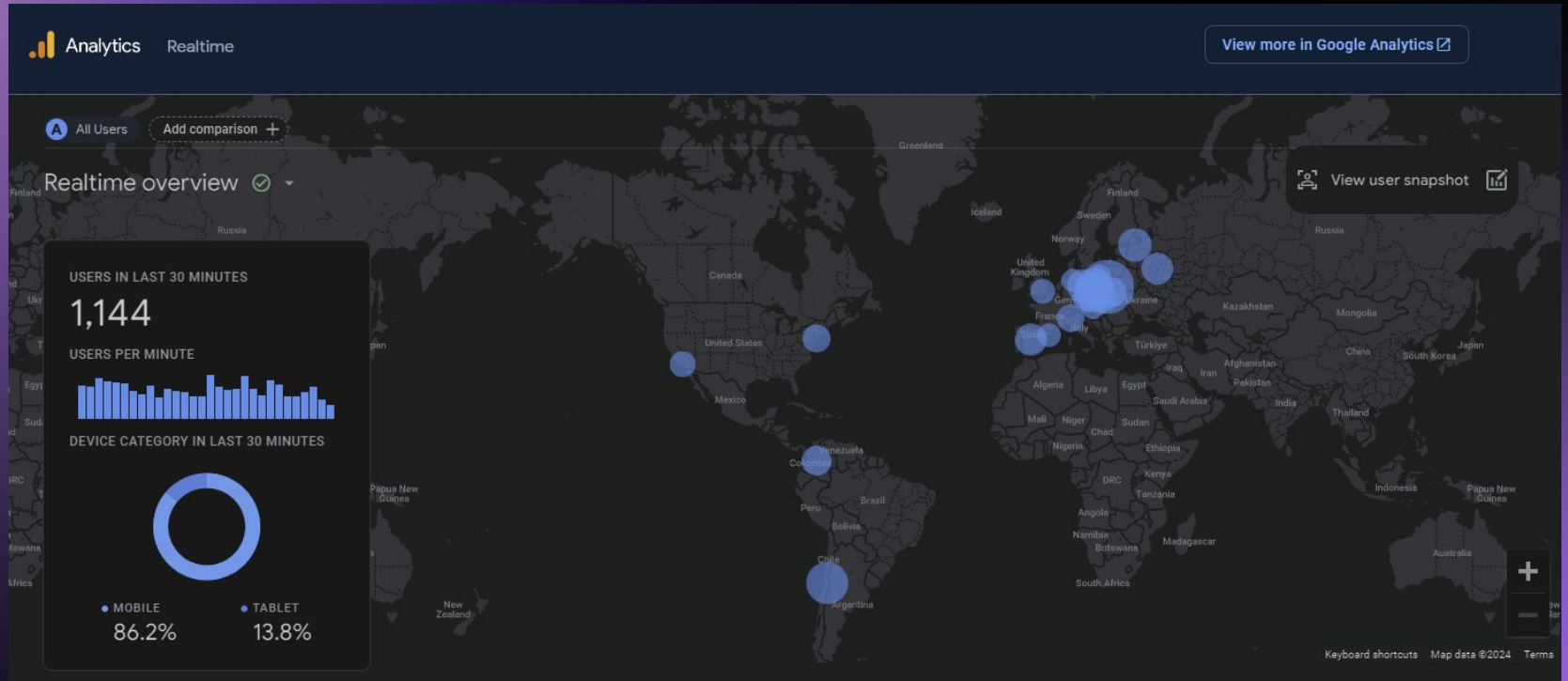
File List:

File	Description	Time
.github	Revert "Delete LC_ALL and LANG from action"	2 months ago
android	Release v4.3.0	last month
assets	Update Inter font to v4	last month
ios	Release v4.3.0	last month
lib	Use tabular figures for viewer count	last month
test	Migrate 7TV emotes to V3 API (#287)	3 months ago
.gitignore	Upgrade Flutter/Dart and dependencies (#265)	8 months ago
.metadata	Upgrade Flutter/Dart and dependencies (#265)	8 months ago
LICENSE	Create LICENSE	2 years ago
README.md	Update README	last month
analysis_options.yaml	Update to Material 3/You and other changes/fixes (#280)	3 months ago
pubspec.lock	Upgrade packages	last month
pubspec.yaml	Release v4.3.0	last month

About: A mobile Twitch client for iOS and Android with 7TV, BetterTTV (BTTV), and FrankerFaceZ (FFZ) support.

Releases: 31 releases, latest v4.3.0 (Latest) from last month.

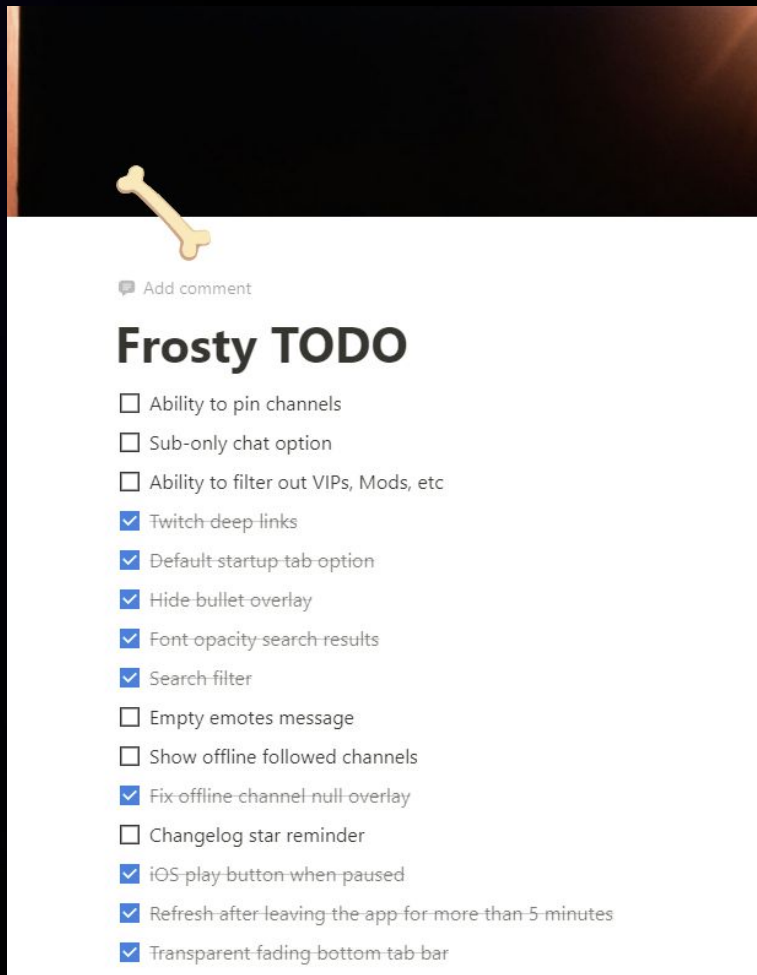
Global audience



Future plans

Future plans

- UI/UX/design tweaks
- Moderation tools
- Better globalization
- Ultimately limited by Twitch API



The screenshot shows a mobile application interface. At the top, there is a dark header with a yellow bone icon. Below the header, there is a white background with a grey comment icon and the text 'Add comment'. The main content is a checklist titled 'Frosty TODO' in bold black text. The checklist items are as follows:

- Ability to pin channels
- Sub-only chat option
- Ability to filter out VIPs, Mods, etc
- Twitch deep links
- Default startup-tab option
- Hide bullet overlay
- Font opacity search results
- Search filter
- Empty emotes message
- Show offline followed channels
- Fix-offline channel-null overlay
- Changelog star reminder
- iOS play button when paused
- Refresh after leaving the app for more than 5 minutes
- Transparent fading bottom tab bar

Questions