



# Frosty for Twitch

Tommy Chow



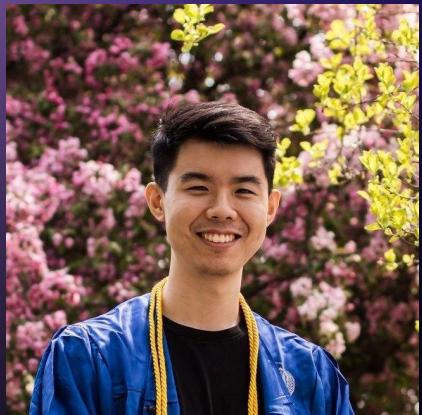
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# About me

# 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

Browse

RECOMMENDED CHANNELS

- GamesDoneQuick • 72.3K  
Lost Judgment
- LCS • 68.4K  
League of Legends
- Jynxzi • 50.8K  
Tom Clancy's Rai...
- Gaules • 41.8K  
Counter-Strike
- KaiCenat • 38.7K  
Madden NFL 24
- ElMariana • 32.2K  
Minecraft
- GRONKH • 28.9K  
Palworld
- eIokas • 28.1K  
Just Chatting
- Emiru • 27.8K  
Just Chatting
- Tumblurr • 23.4K  
Just Chatting

## Games

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

Games IRL Music Esports Creative

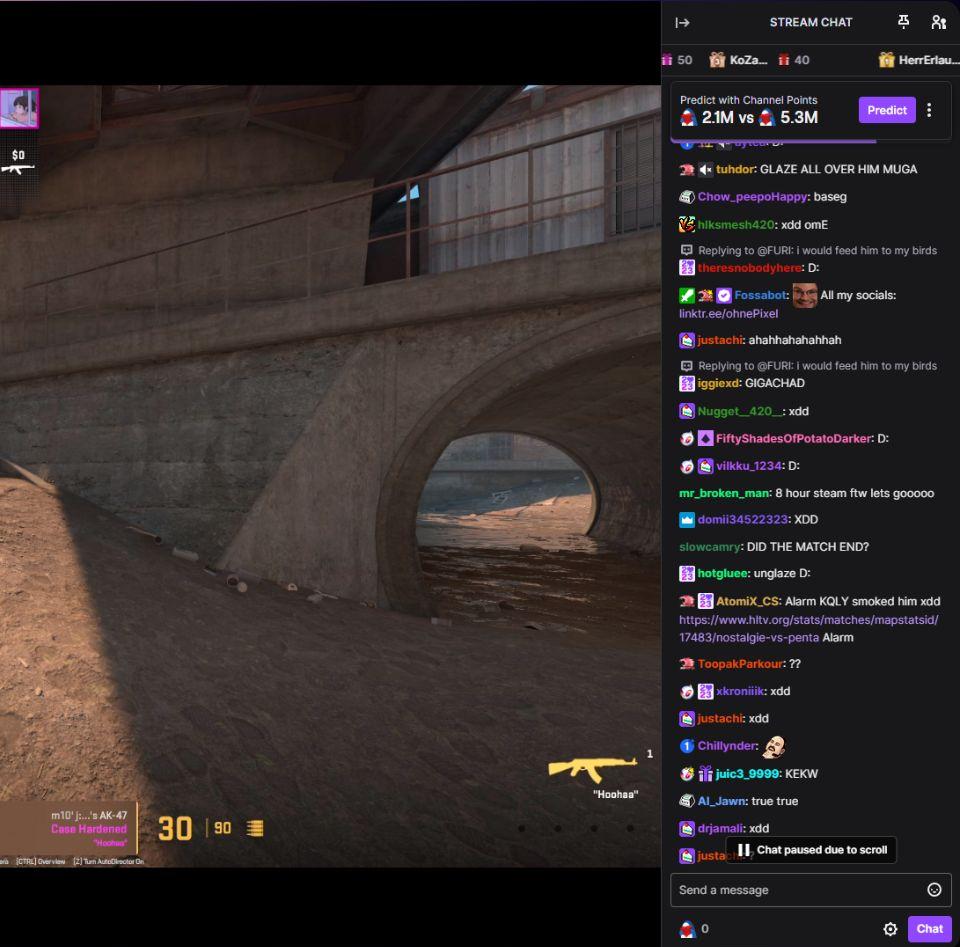
### Recommended Games

Game	Viewers	Type
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
ESCAPE FROM TARKOV	80.1K viewers	FPS, Shooter

### Recommended Gaming Streams

Stream	Viewers	Description
Awesome Games Done Quick 2024	3043.5	LIVE twitch 72.3K viewers
FLY vs. SR   LCS Opening Day   Prese...	89.4K viewers	LIVE
Jynxzi	50.8K viewers	LIVE CREATE GAME
LEGACY VS RED CANIDS PGL CS2 M...	41.8K viewers	LIVE
HAPPY SATURDAY	38.7K viewers	LIVE

Show More Recommended Gaming Streams ▾



# A core feature of Twitch is the live chat



STREAM CHAT

HerrErlau... 75 gingerisbr... 11

Predict with Channel Points  
2.1M vs 5.5M Predict :

tuhdor: GLAZE ALL OVER HIM 🍞

Chow\_peepoHappy:

hiksmesh420: Replying to @FUR: i would feed him to my birds

theresnobodhere:

Fossabot: All my socials: linktr.ee/ohnePixel

justachi: shahhahahahah

Replying to @FUR: i would feed him to my birds

iggiexd:

Nugget\_420\_:

FiftyShadesOfPotatoDarker:

vilkku\_1234:

mr\_broken\_man: 8 hour ftw lets gooooo

domii34522323: XDD

slowcamry: DID THE MATCH END?

hotgluee: unglaze

Atomix\_CS: KQLY smoked him

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

ToopakParkour: ??

xkroniilk:

justachi:

Chillynder:

Juic3\_9999:

AI\_Jawn: true true

drjamm: Chat paused due to scroll

justachi: ?

Send a message

156.2K Chat

# Enhanced by community third-party extensions

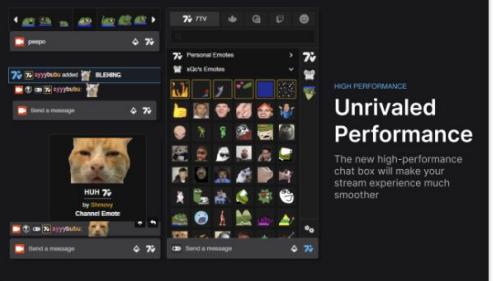
# 3 major web extensions with 7 million active users

 BetterTTV

[betterttv.com](#)  Featured 4.7 ★ (10.3K ratings)

Extension Tools 4,000,000 users

[Remove from Chrome](#)

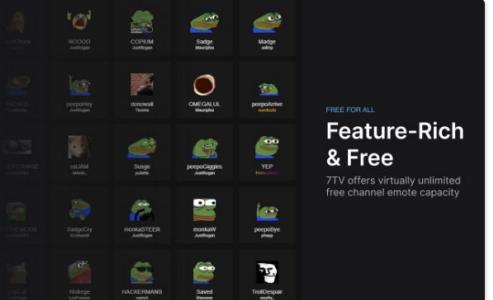


 FrankerFaceZ

[frankerfacez.com](#)  Featured 4.5 ★ (652 ratings)

Extension Just for Fun 1,000,000 users

[Remove from Chrome](#)



 7TV

[7tv.app](#)  Featured 4.5 ★ (3.1K ratings)

Extension Social Networking 2,000,000 users

[Remove from Chrome](#)

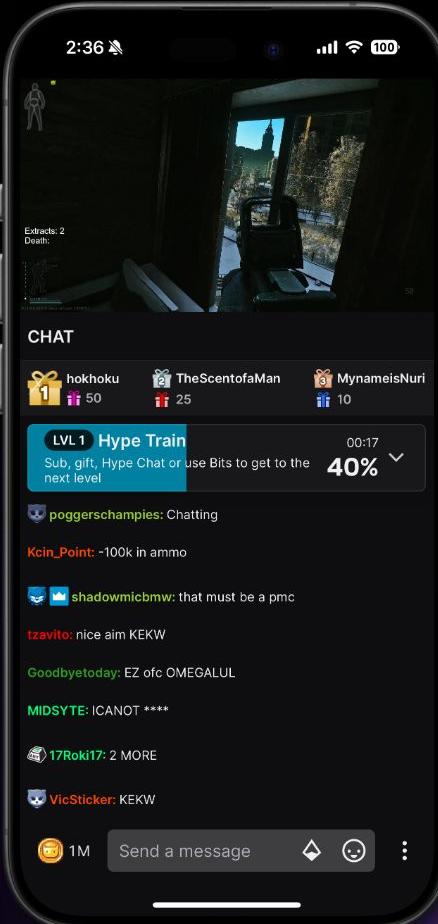


**Unrivaled Performance**  
The new high-performance chat box will make your stream experience much smoother.

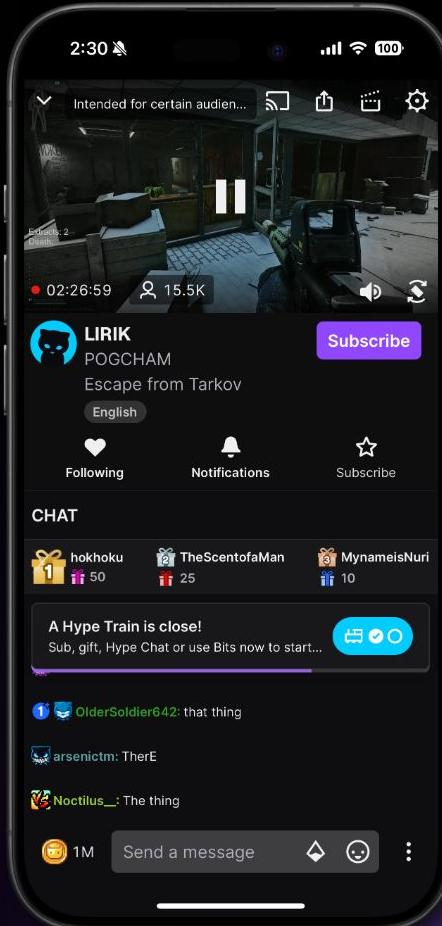
**Feature-Rich & Free**  
7TV offers virtually unlimited free channel emote capacity.

# **2 problems with the Twitch mobile app**

# No extensions on mobile, so no third-party emotes

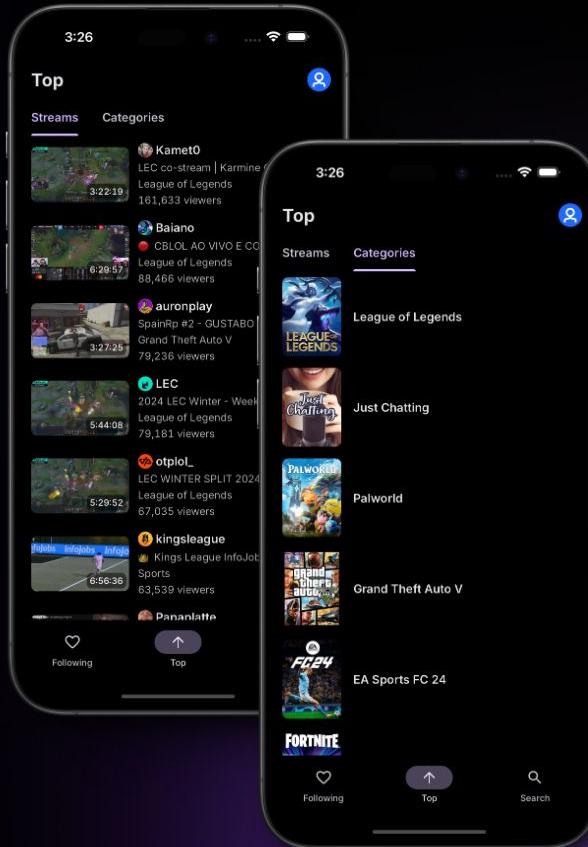


# The channel interface is cluttered and bloated

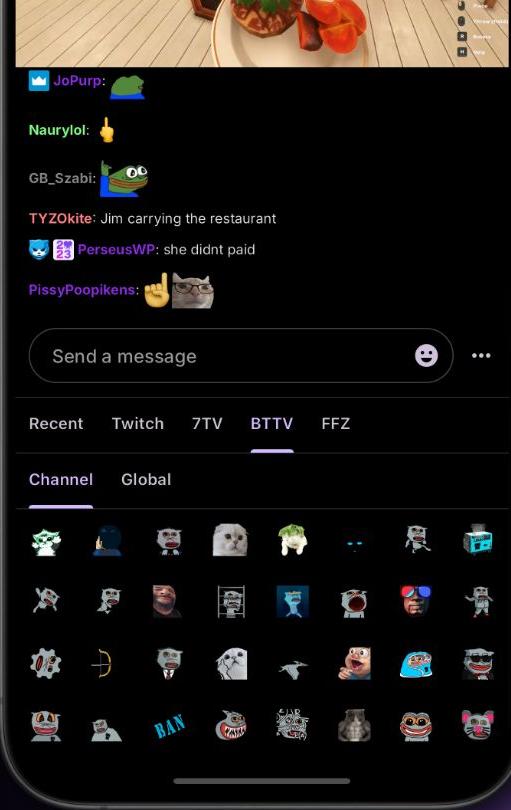


# **What is Frosty?**

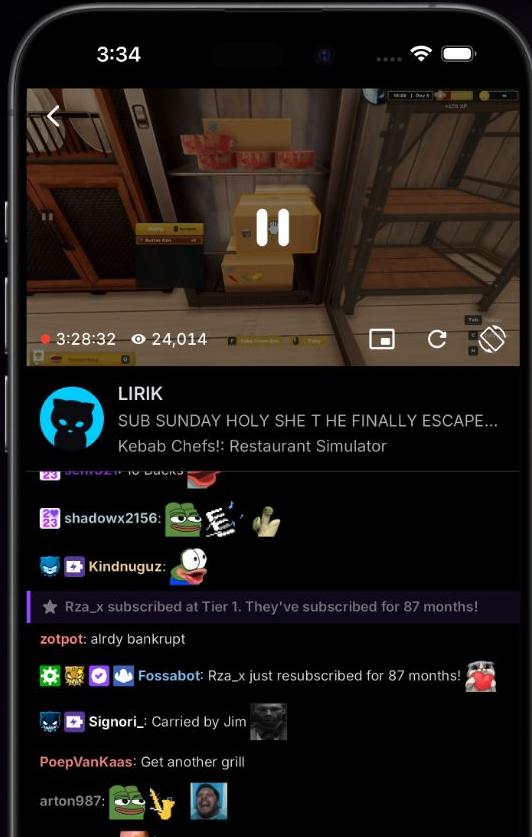
# Frosty is a fully-featured mobile client for Twitch



**It brings quality-of-life features and third-party remote 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 `tommyxchow/frosty`. The repository is public and has 1,004 commits. The main branch is `main`, and there are 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." It uses the `frostyapp.io` domain. The repository has 506 stars, 30 forks, and 6 watchers. It includes sections for About, Releases, and Sponsor this project.

tommyxchow / frosty Public

Code Issues 59 Pull requests 1 Actions Projects 3 Security Insights

main 4 Branches 33 Tags Go to file Code

**tommyxchow** 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 (#267) 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 irc 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

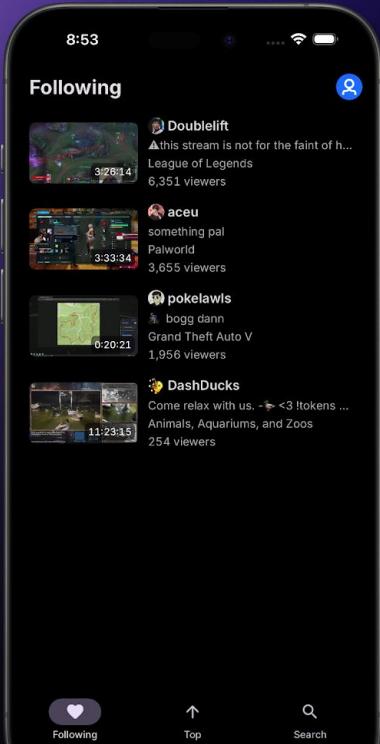
v4.3.0 Latest last month + 30 releases

Sponsor this project

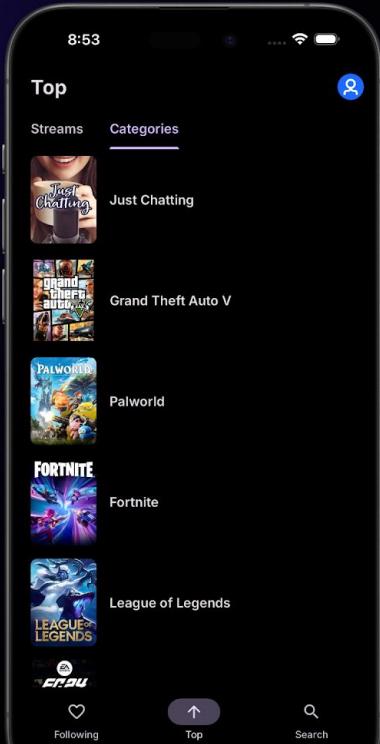
tommyxchow Tommy Chow

# Feature highlights

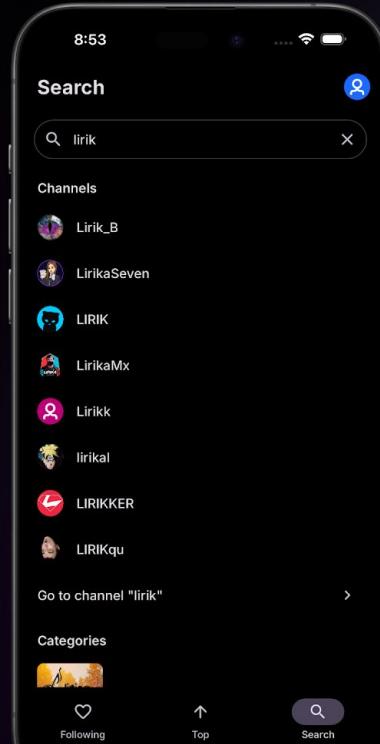
Browse followed streams



Browse by top categories

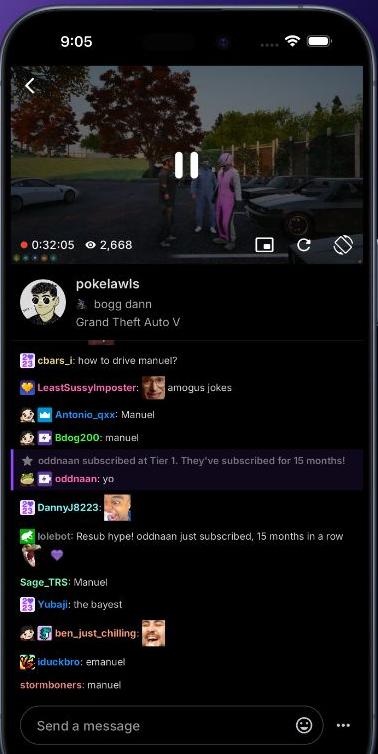


Search for channels and categories

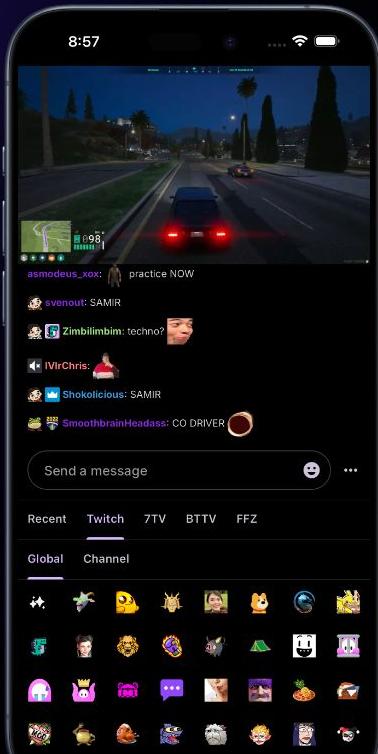


# Feature highlights

Watch live streams  
with chat



See every third-party  
emote

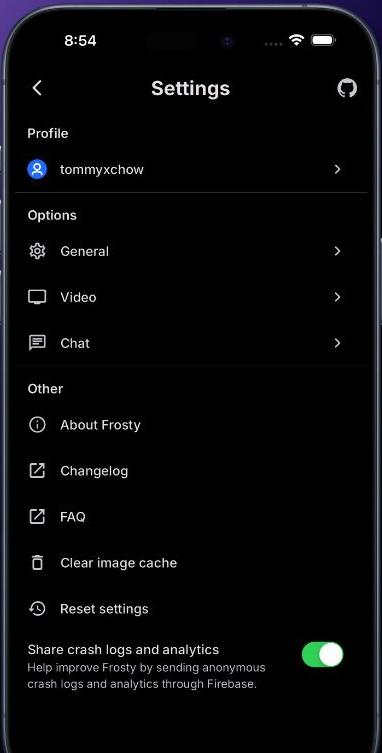


Better chatting with  
autocomplete

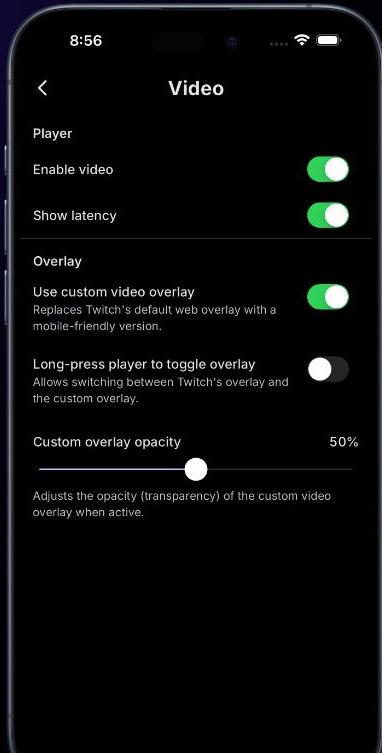


# Feature highlights

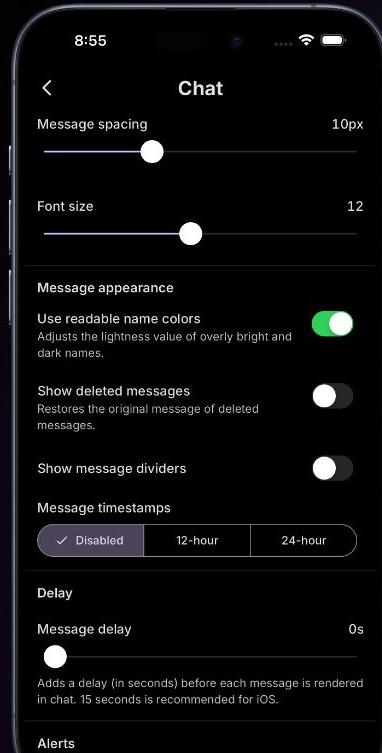
Lots



of

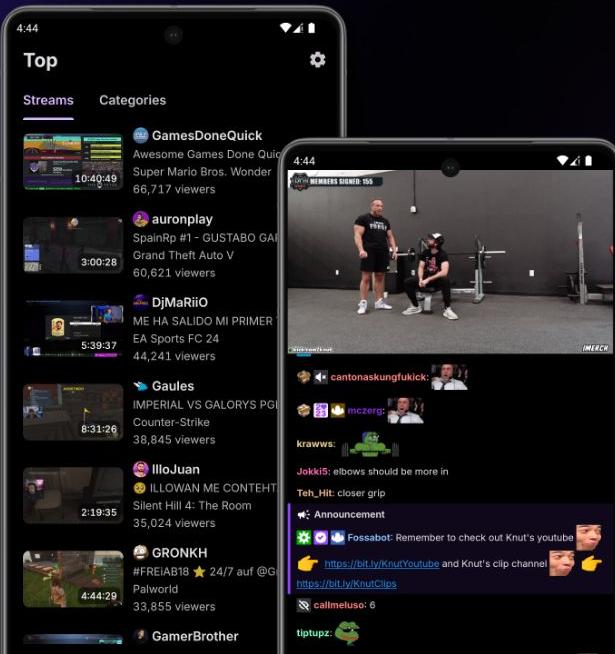


customizability



# Feature highlights

Available on Android too

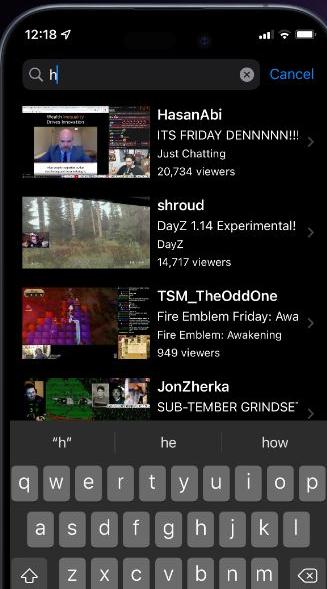
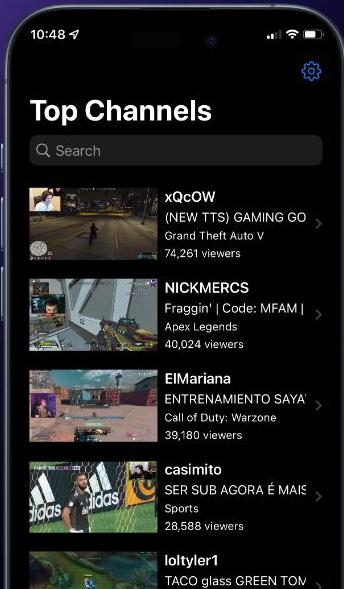


# **Developing Frosty**



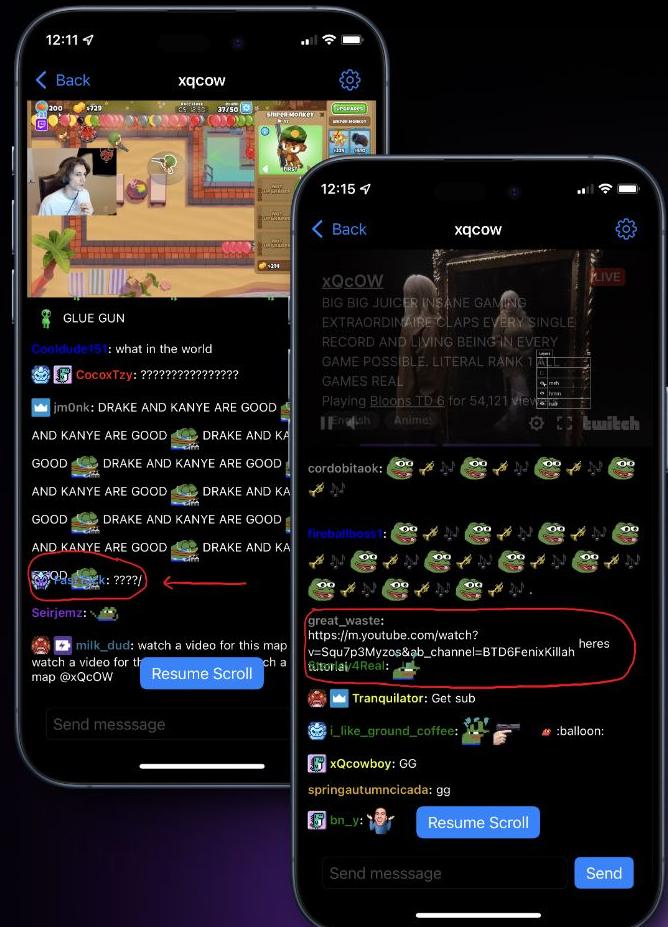
# Starting out with SwiftUI

- 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

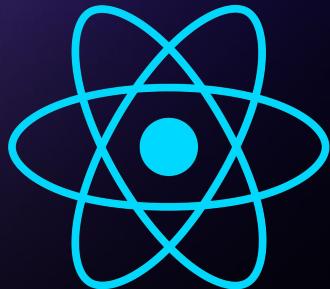
- Layouts views were not complex enough, no flexbox or HTML-like inline span
- Duplicate GIF emotes aren't synced
- Lack of documentation



# 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

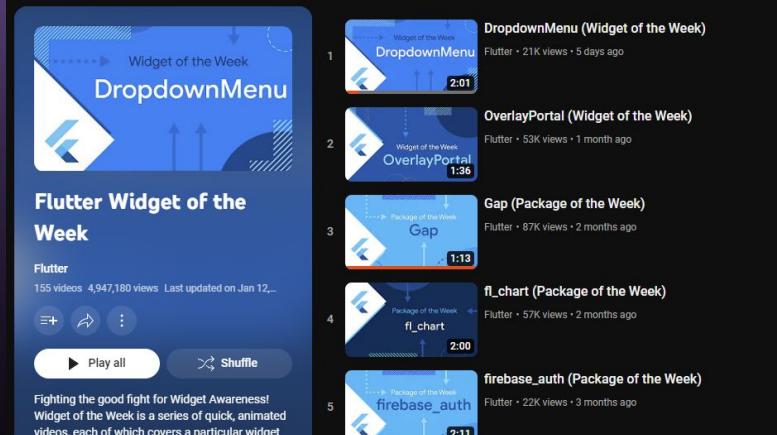


Flutter

# 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

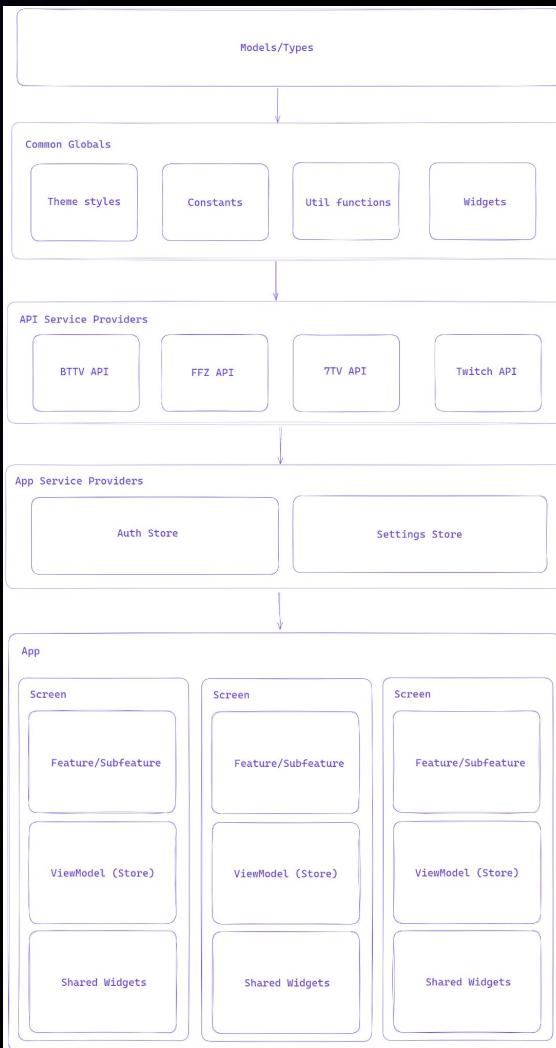


## Cons

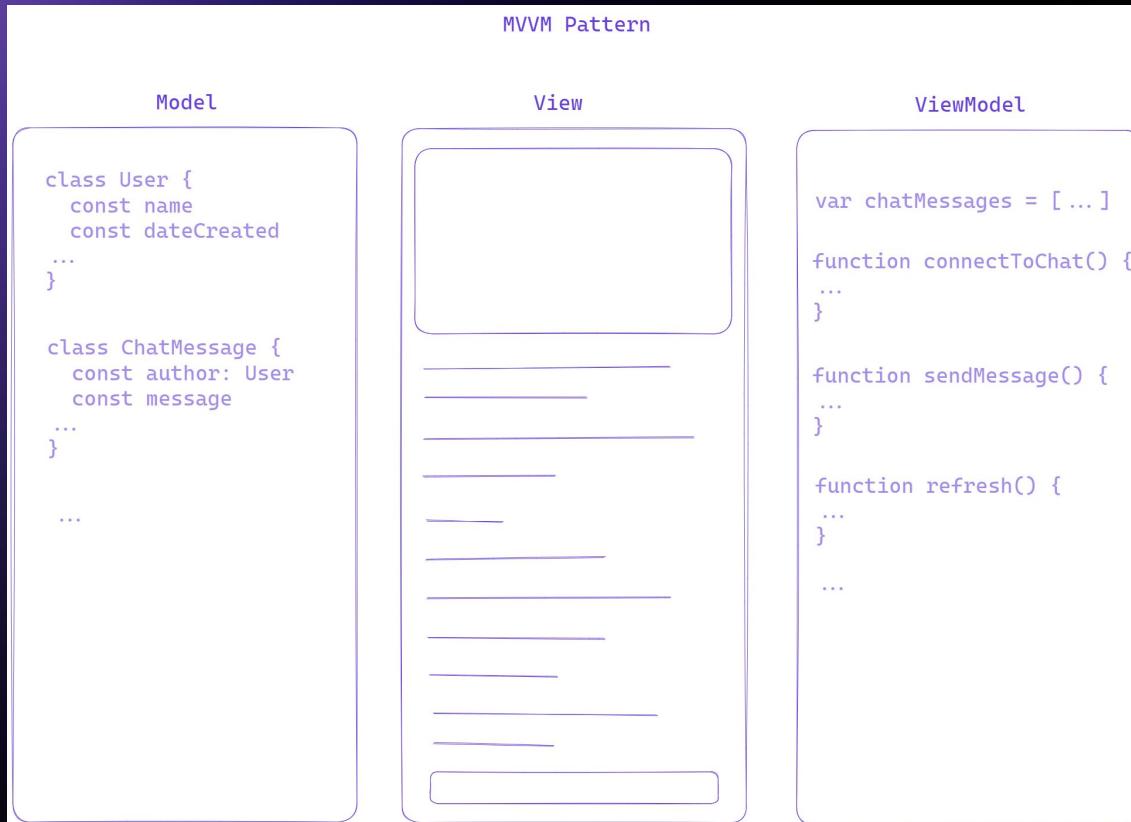
- Earlier Skia engine caused noticeable jank (fixed recently with Impeller)
- Uncanny valley with “fake” views
- Nesting can get pretty messy

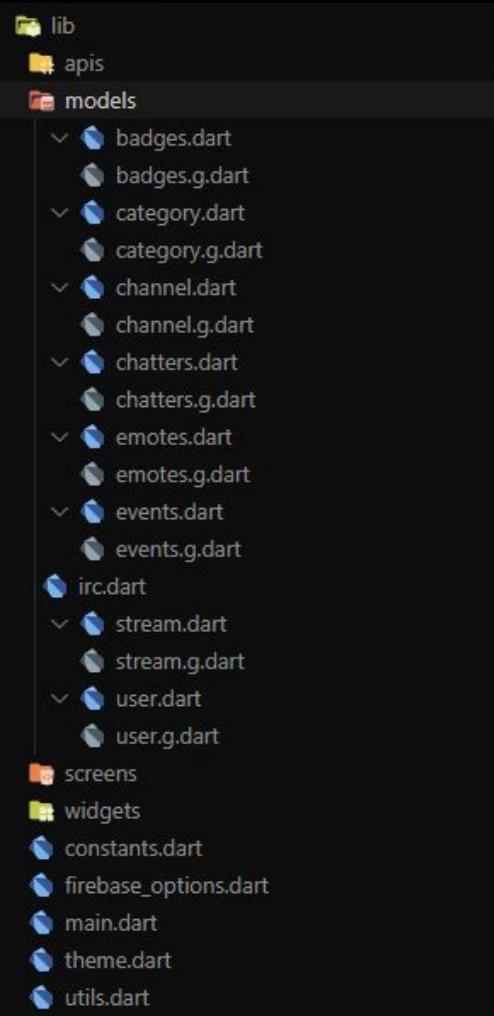
```
15 @override
16 Widget build(BuildContext context) {
17   return Container(
18     decoration: BoxDecoration(
19       color: Colors.grey.shade900,
20       borderRadius: BorderRadius.circular(8),
21     ), // BoxDecoration
22     margin: const EdgeInsets.all(10),
23     child: Row(
24       children: [
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                 ),
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                 ],
45               ), // Row
46             ), // Padding
47           ), // Expanded
48         ],
49       ), // Row
50     ), // Container
51   ); // Column
52 }
```

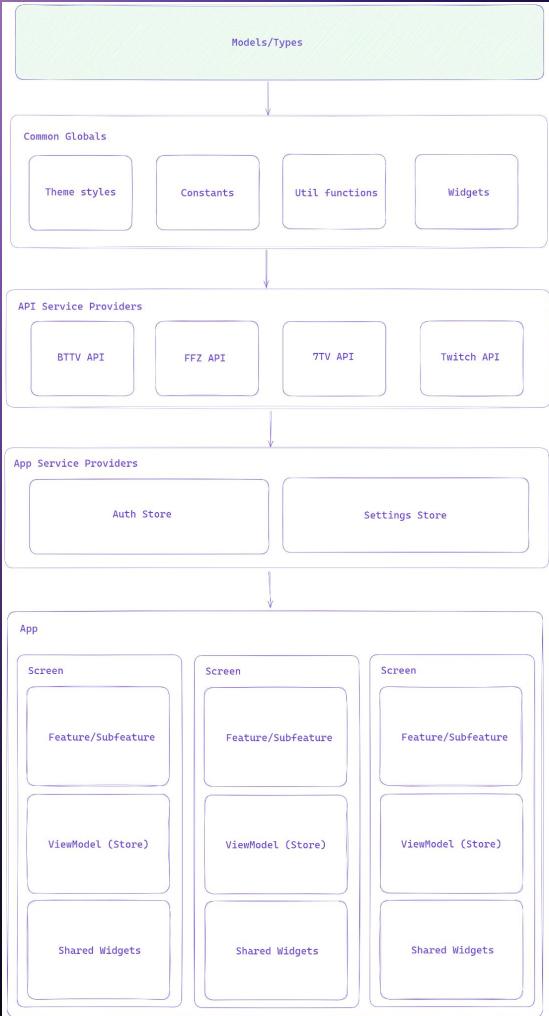
# Frosty architecture overview



# Separation of concerns with MVVM pattern



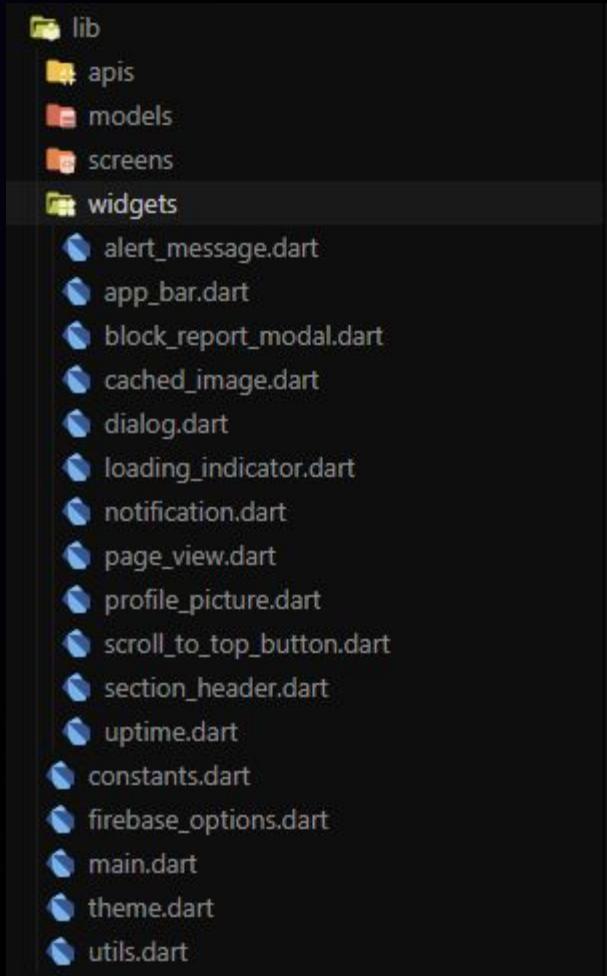
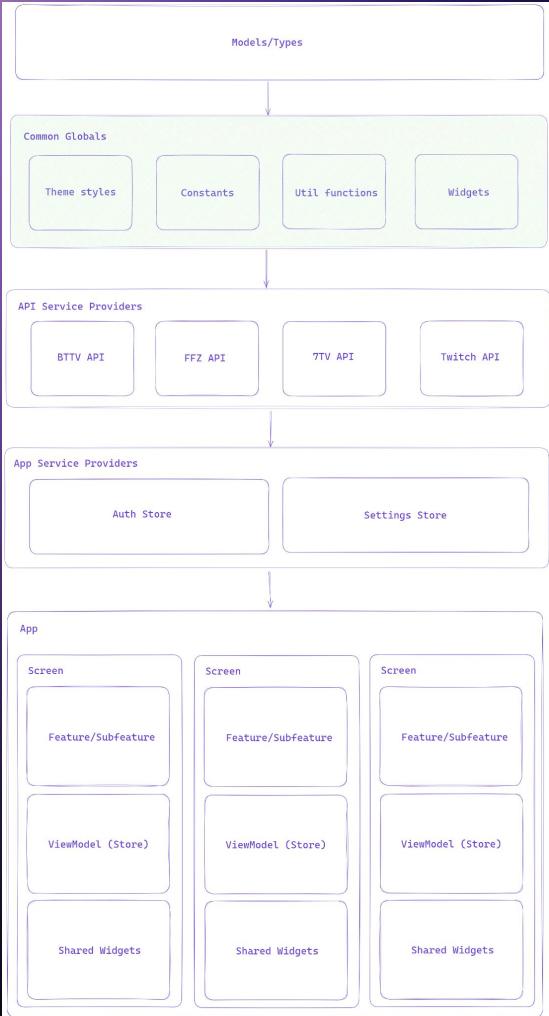


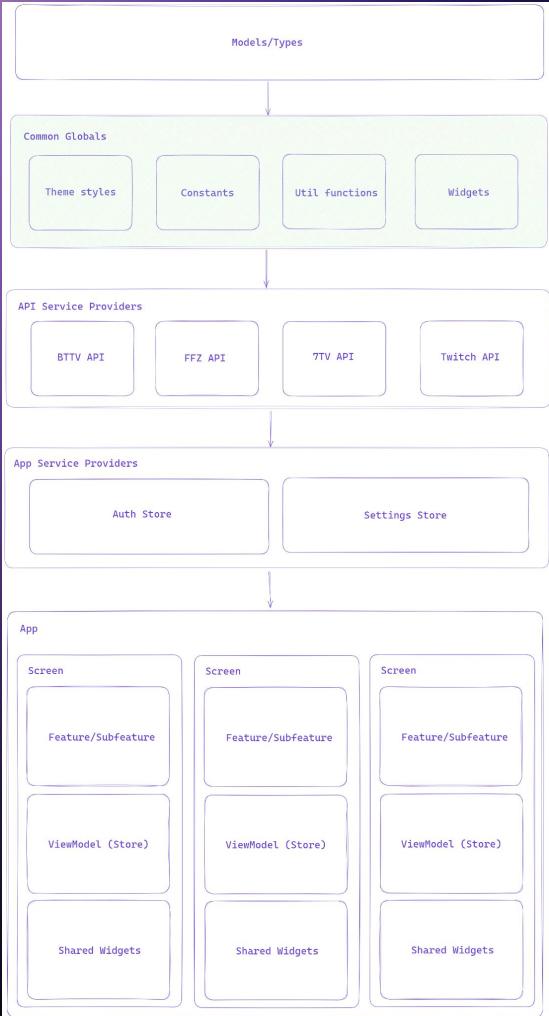


```

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 }
20

```

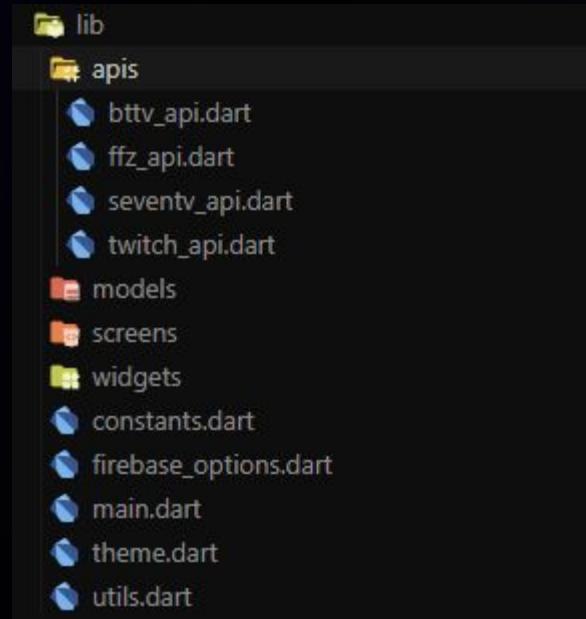
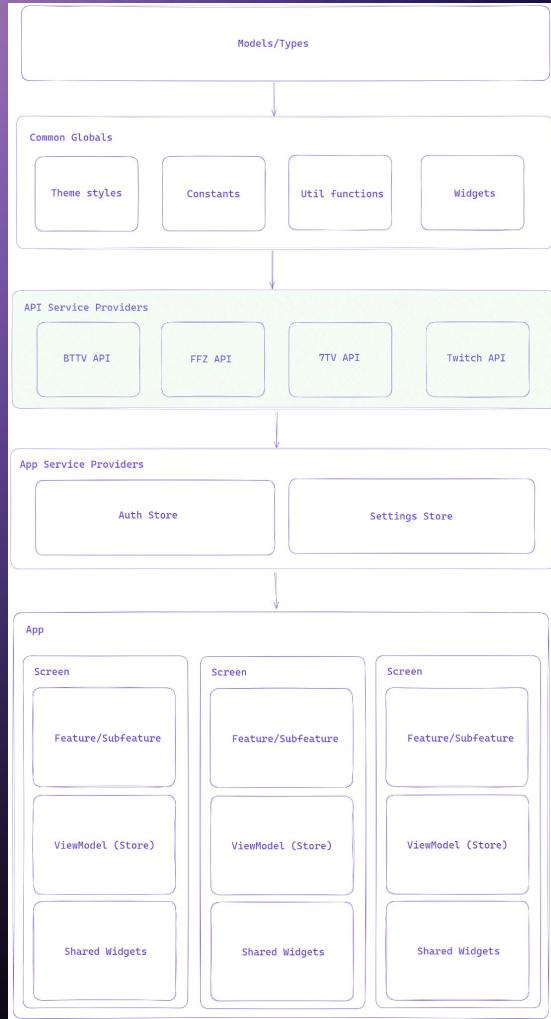


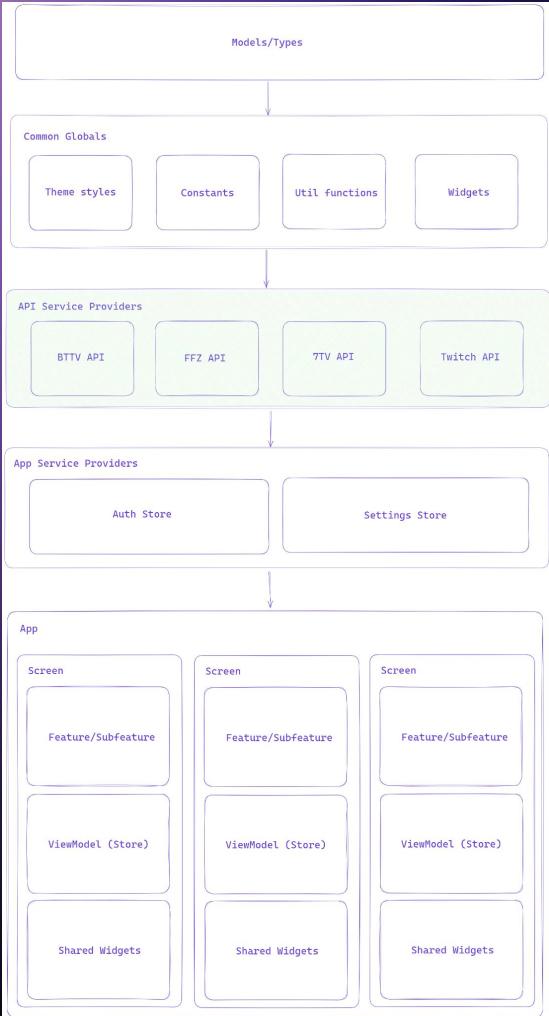


```

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

```





```

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

```



```

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```

```

    /// Logs in the user with the provided [token] and updates fields accordingly upon successful login.
    @action
    Future<void> login({required String token}) async {
      try {
        // Validate the custom token.
        _tokenIsValid = await twitchApi.validateToken(token: token);
        if (!_tokenIsValid) return;

        // Replace the current default token with the new custom token.
        _token = token;

        // Store the user token.
        await _storage.write(key: _userTokenKey, value: token);

        // Initialize the user with the new token.
        await user.init(headers: headersTwitch);

        // Set the login status to logged in.
        if (user.details != null) _isLoggedIn = true;
      } catch (e) {
        debugPrint('Login failed due to $e');
      }
    }

    You, 2 years ago • Add login/logout, streamline token logic
    /// Logs out the current user and updates fields accordingly.
    @action
    Future<void> logout() async {
      try {
        // Delete the existing user token.
        await _storage.delete(key: _userTokenKey);
        _token = null;

        // Clear the user info.
        user.dispose();

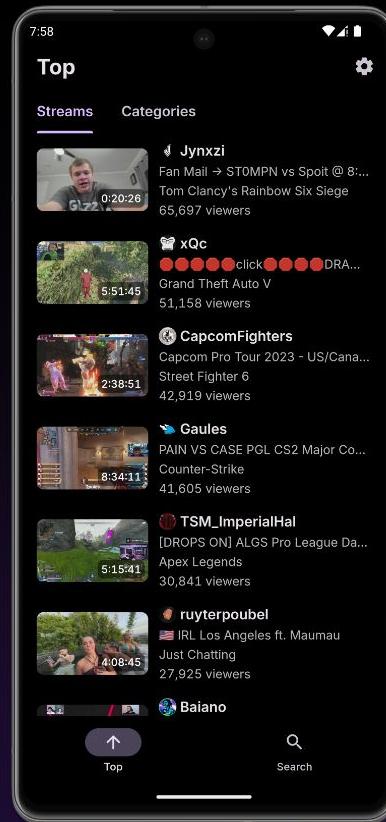
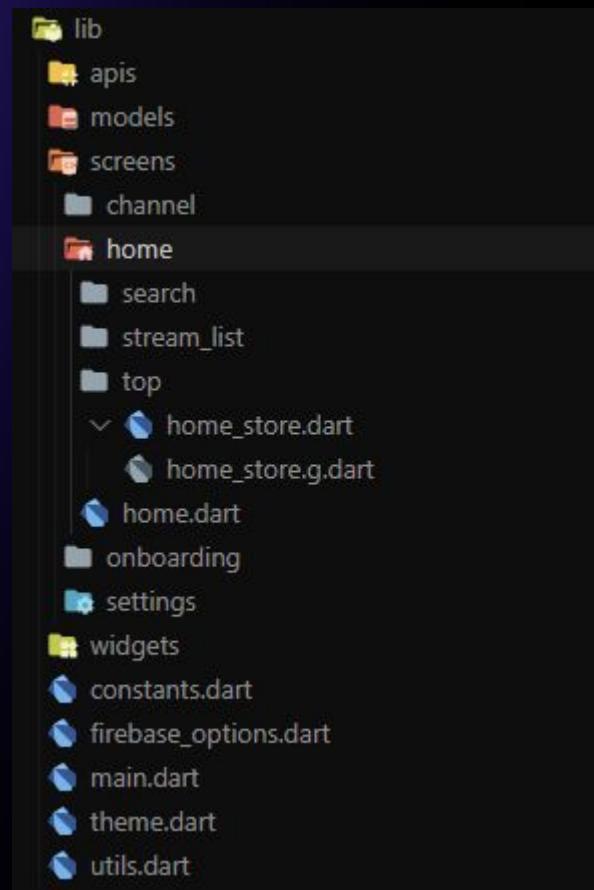
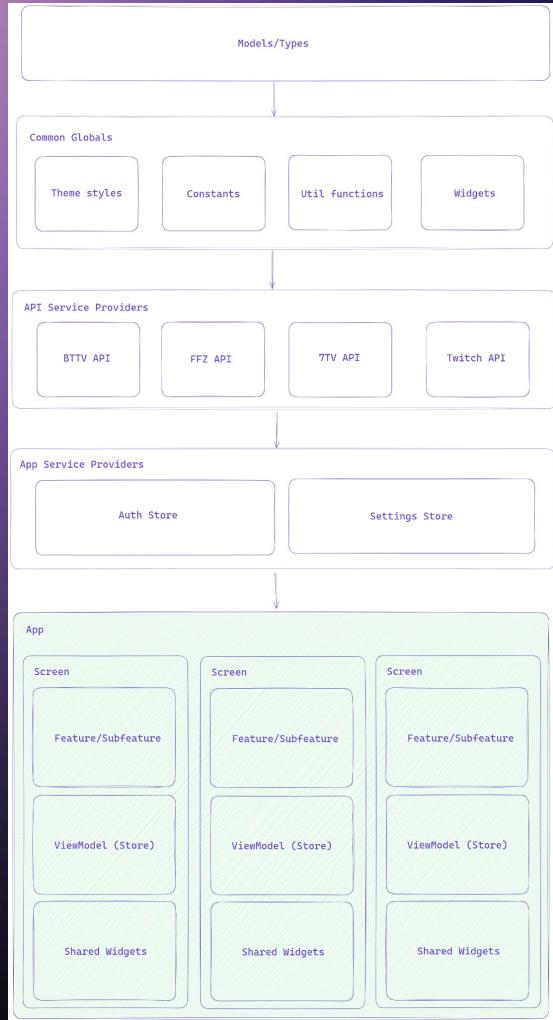
        // If the default token already exists, set it.
        _token = await _storage.read(key: _defaultTokenKey);

        // If the default token does not already exist or it's invalid, get the new default token and store it.
        if (_token == null || !await twitchApi.validateToken(token: _token!)) {
          _token = await twitchApi.getDefaultToken();
          await _storage.write(key: _defaultTokenKey, value: _token);
        }

        // Set the login status to logged out.
        _isLoggedIn = false;

        debugPrint('Successfully logged out');
      } catch (e) {
        debugPrint(e.toString());
      }
    }
}

```

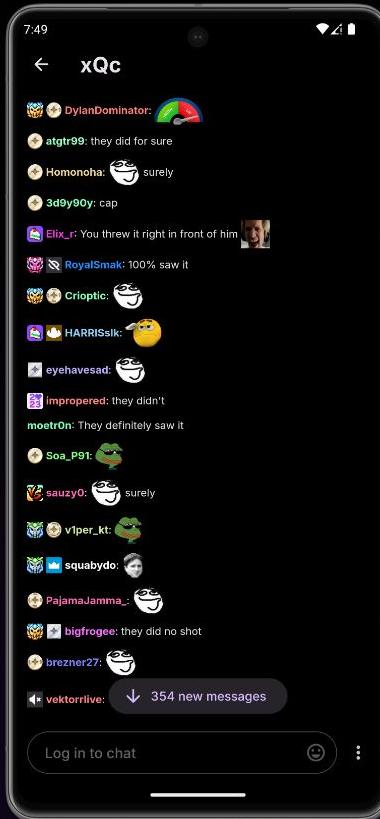


# Challenges

# Recreating the Twitch chat

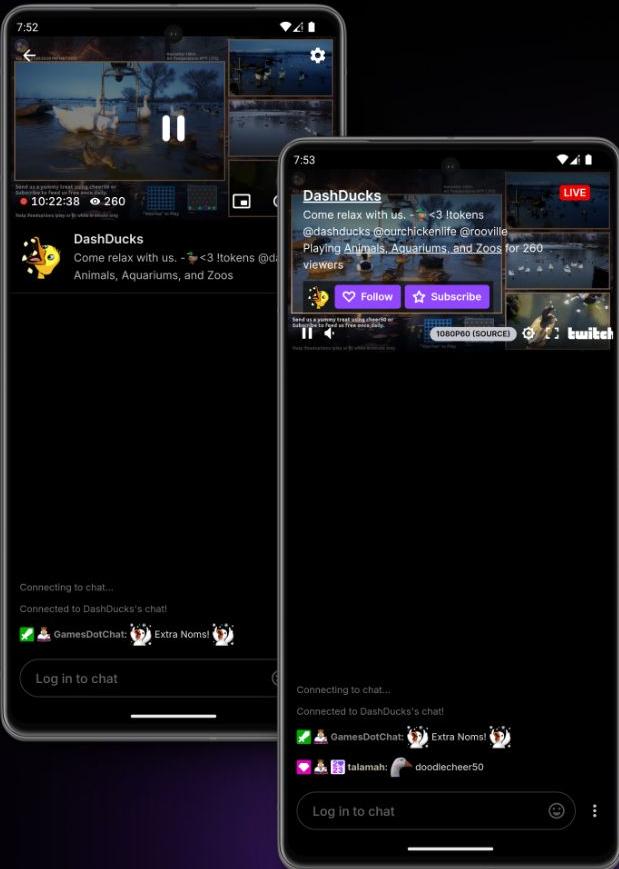
- Many intricacies with websockets and Internet Relay Chat (IRC) spec
- Making chat performant and able to withstand thousands of messages
- Lazy and batched rendering methods

```
@badge-info=;badges=premium/1;client-nonce=1a949a3826461765fbe  
c17b9a414f0c4;color=#19B3A8;display-name=Test;emotes=;first-ms  
g=0;flags=;id=f1050ef3-0d89-472a-a572-e3bfef81771e;mod=0;retur  
ning-chatter=0;room-id=94753024;subscriber=0;tmi-sent-ts=17058  
80990173;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	v4.3.0	Dec 22, 2023
Deployed to release-android by  tommyxchow via Build and release Frosty #29			...
Release v4.3.0		v4.3.0	Dec 22, 2023
Deployed to release-ios by  tommyxchow via Build and release Frosty #29			...
Release v4.3.0		v4.3.0	Dec 22, 2023
Deployed to release-android by  tommyxchow via Build and release Frosty #29			...
Release v4.3.0		v4.3.0	Dec 22, 2023
Deployed to release-android by  tommyxchow via Draft GitHub release #28			...
Release v4.3.0		v4.3.0	Dec 22, 2023
Failed to deploy to release-ios by  tommyxchow via Build and release Frosty #29			...
Release v4.2.1		v4.2.1	Nov 30, 2023
Deployed to release-android by  tommyxchow via Build and release Frosty #28			...
Release v4.2.1		v4.2.1	Nov 30, 2023
Deployed to release-android by  tommyxchow via Draft GitHub release #27			...
Release v4.2.1		v4.2.1	Nov 30, 2023
Deployed to release-ios by  tommyxchow via Build and release Frosty #28			...
Shorten Android release notes		main (v140)	Nov 29, 2023
Deployed to release-android by  tommyxchow via Build and release Frosty #27			...
Shorten Android release notes		main (v140)	Nov 29, 2023
Deployed to release-ios by  tommyxchow via Build and release Frosty #27			...
Release v4.2.0		v4.2.0	Nov 29, 2023
Failed to deploy to release-android by  tommyxchow via Build and release Frosty #26			...
Release v4.2.0		v4.2.0	Nov 29, 2023
Deployed to release-android by  tommyxchow via Draft GitHub release #26			...
Release v4.2.0		v4.2.0	Nov 29, 2023
Failed to deploy to release-ios by  tommyxchow via Build and release Frosty #26			...
Release v4.1.0		v4.1.0	Nov 24, 2023
Deployed to release-ios by  tommyxchow via Build and release Frosty #25			...

frosty / .github / workflows /			
Add file			
 tommyxchow	Revert "Delete LC_ALL and LANG from action"	2a5a23e · 2 months ago	
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

The screenshot shows a GitHub Projects Kanban board. The columns are labeled "To do", "In progress", and "Done". The "Done" column is expanded, showing a list of tasks:

- task #14 Improve chat performance/reduce chat battery usage
- task #92 Redesign and reorganize settings screen
- task #113 Upgrade to Flutter 3
- task #61 Add emoji menu search bar/autocomplete
- task #95 Use emoji sizes provided by the FFZ/TIV API for more accurate sizing
- task #91 Redesign streams list and stream cards

Frosty: Todo						
Title	Assignees	Status	Labels	Linked pull requests	... More	Add status
Filter by keyword or by field						
1 task #14 Improve chat performance/reduce chat battery usage	- Done	- Done	task	-	-	#14
2 task #92 Redesign and reorganize settings screen	- Done	- Done	task	-	-	#92
3 task #113 Upgrade to Flutter 3	- Done	- Done	task	-	-	#113
4 task #61 Add emoji menu search bar/autocomplete	- Done	- Done	task	-	-	#61
5 task #95 Use emoji sizes provided by the FFZ/TIV API for more accurate sizing	- Done	- Done	task	-	-	#95
6 task #91 Redesign streams list and stream cards	- Done	- Done	task	-	-	#91
7 task #93 FAQ link	- Done	- Done	task	-	-	#93
8 task #98 Reset all settings button	- Done	- Done	task	-	-	#98
9 task #84 Implement ability to stop playback after a certain period of time	- Done	- Done	task	-	-	#84
10 task #83 Add sleep timer button to overlay	- Done	- Done	task	-	-	#83
11 task #34 Add error handling for channel list to notify user when a request failed	- Done	- Done	task	-	-	#34
12 task #66 Add emoji size slider (with preview)	- Done	- Done	task	-	-	#66
13 task #33 Add ability to clear cache	- Done	- Done	task	-	-	#33
14 task #67 Add chat message spacing slider	- Done	- Done	task	-	-	#67
15 task #65 Add font size slider (with preview)	- Done	- Done	task	-	-	#65
16 task #63 Implement exponential backoff	- Done	- Done	task	-	-	#63
17 task #36 Add error handling for chat stream to notify user when the connection fails	- Done	- Done	task	-	-	#36
18 task #35 Add error handling for assets requests to notify user when a request failed	- Done	- Done	task	-	-	#35
19 task #43 Implement search by category	- Done	- Done	task	-	-	#43
20 task #42 Build categories section screen	- Done	- Done	task	-	-	#42
21 task #41 Add API requests for top games and search categories	- Done	- Done	task	-	-	#41
22 task #52 Add API requests for user blocking and unblocking	- Done	- Done	task	-	-	#52
23 task #54 Add ability to block and unblock users in chat	- Done	- Done	task	-	-	#54

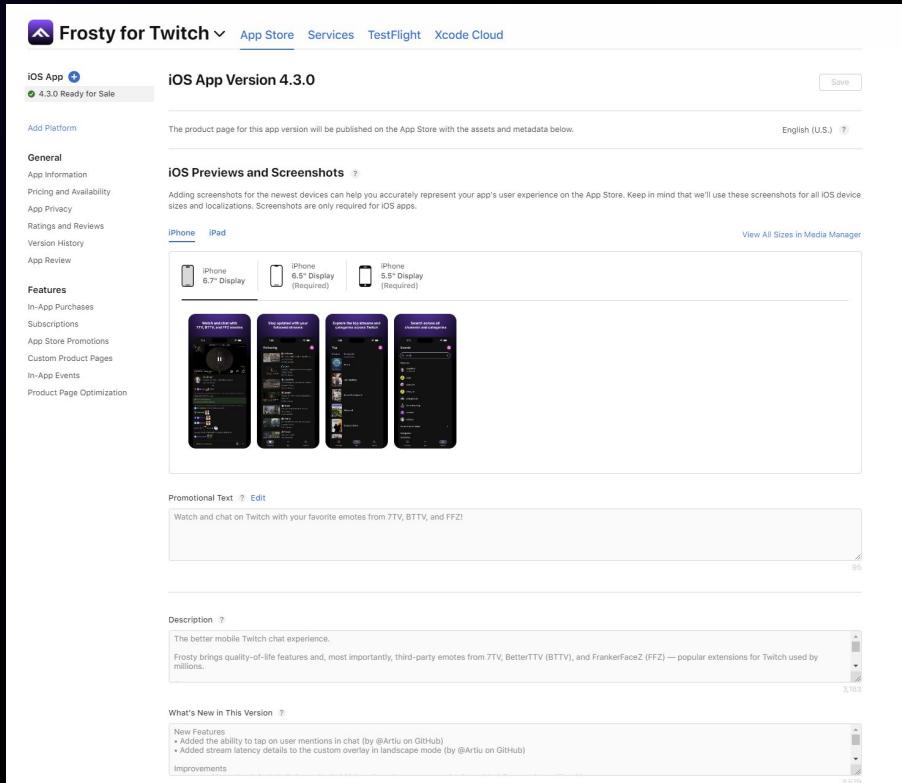
The screenshot shows a GitHub Projects interface with the following sections:

- Open**: 3 Open issues
- Closed**: 0 Closed issues
- Frosty: Bugs**: Broken stuff that is known about. Last updated Nov 1, 2023.
- Frosty: Todo**: Miscellaneous tasks that are currently being worked on. Last updated Oct 22, 2023.
- Frosty: Planned Features**: Features that are planned and will be implemented soon™. Last updated Dec 27, 2022.

# 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



# Marketing website built with Next.js

The screenshot shows a marketing website for 'Frosty' built with Next.js. The page has a dark purple header with a navigation bar and a search bar containing 'frostyapp.io'. Below the header, there's a logo for 'Frosty' and a title section. The main content area features a heading 'The better mobile Twitch chat experience' and a paragraph describing Frosty's features. To the right, there's a large image of a mobile phone displaying a Twitch stream interface with a video player at the top and a chat feed below showing various messages and emotes. At the bottom left, there's a note about availability on different platforms.

**Frosty**

**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 — to both iOS and Android.

Available for free on

12:05

frostyapp.io

LiamStreamsAbout: bro can't wait a second

Send a message (15s delay)

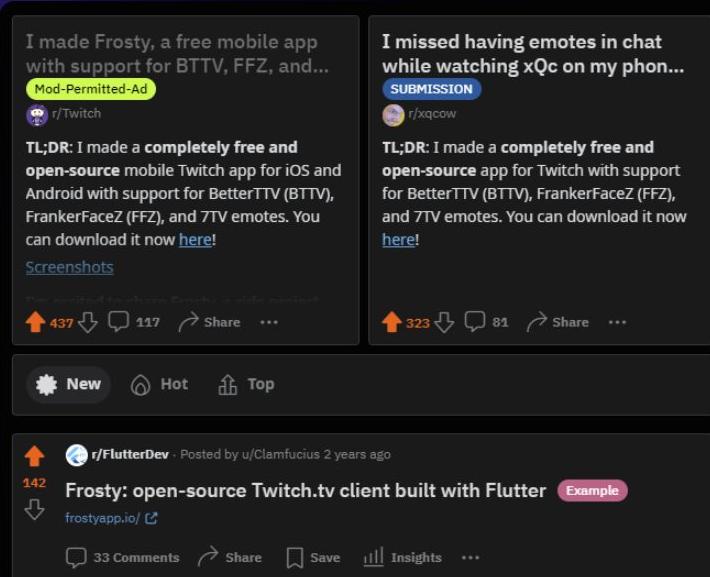
44

Mac OS X window interface with a dark theme, showing the Frostyapp.io website in a browser window.

The website features a dark background with purple text and icons. It includes sections for "Made for" (New users, Twitch regulars, Developers), "Features" (Browse followed streams, Explore top streams and categories, Search for channels and categories, Watch streams with chat, Customizable settings), and "Autocomplete emotes and user mentions".

A central image shows a smartphone displaying a live stream from a game, with a chat interface visible at the bottom showing messages like "rytho WHO'S TEAM IS HE ON?", "rytho: Thanks for the replay, this very useful info to have", "KoalaWestWester: so that is the rank", "KoalaWestWester: You was need some actual practice in training for jellies", "rytho: Sorry", and "KoalaWestWester: DELTA TOUCH".

# “Guerilla” marketing on Reddit and Discord



# **Post-release**

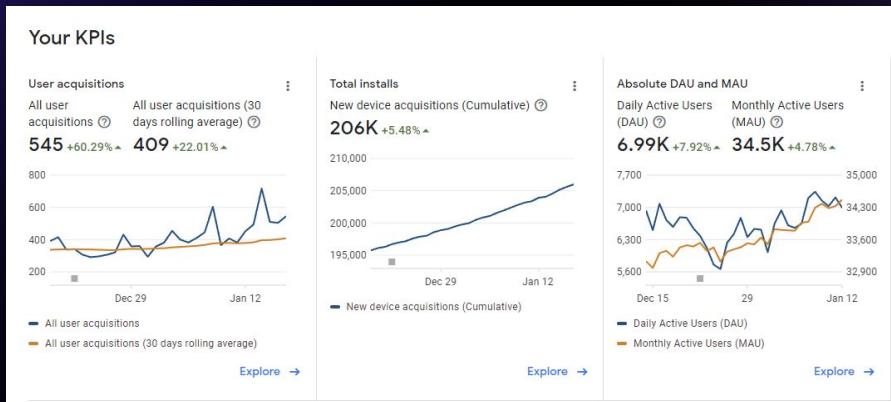
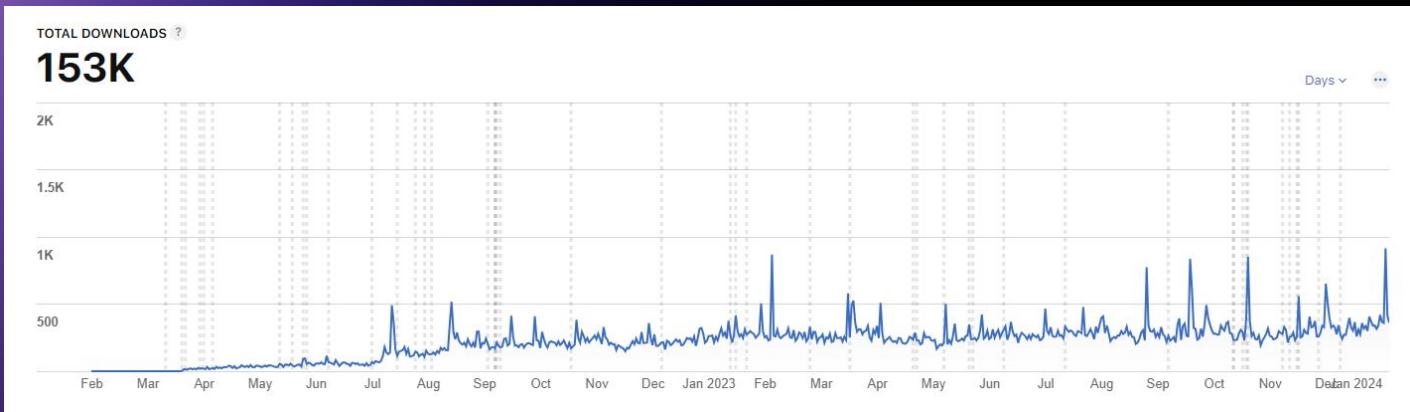
# Post-release

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

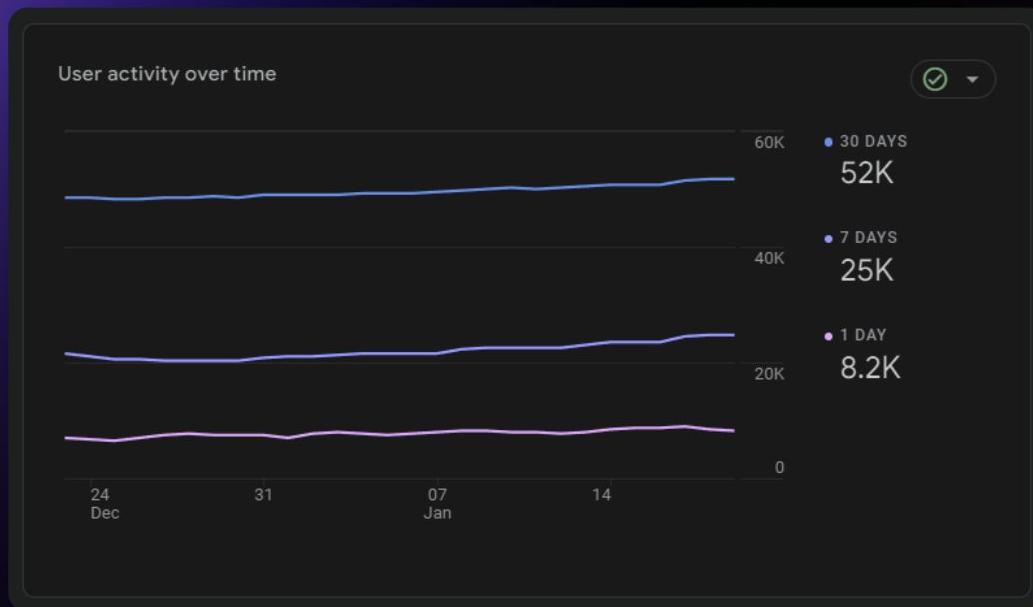
	Author	Label	Projects	Milestones	Assignee	Sort
59 Open	✓ 149 Closed					
☐ ⚡ Frosty app icon	#318 by x9136	was closed on Dec 21, 2023				1
☐ ⚡ I am subbed to a channel but I still get ads. I am not sure why	bug #311 by tamusandesh09	was closed on Dec 22, 2023				3
☐ ⚡ Missing username in chat app v4.2.0	bug #308 by sun-wise-man	was closed on Nov 30, 2023				1
☐ ⚡ App crashes on iOS 12	bug #303 by Jo7717	was closed on Dec 22, 2023				3
☐ ⚡ Multiple text lines clip chat box edges	bug #296 by dezponia	was closed on Nov 21, 2023				1
☐ ⚡ Windows Client	feature request #293 by SchlaenZug	was closed on Nov 10, 2023				1
☐ ⚡ 7tv emotes that should overlap do not on clientside	bug #290 by kenbeck13	was closed on Nov 1, 2023				1
☐ ⚡ Frosty does not recognize when a channel has a custom name for a 7tv emot	bug #288 by kenbeck13	was closed on Nov 1, 2023				1
☐ ⚡ 7tv emotes	bug, duplicate #288 by CaallDay	was closed on Nov 2, 2023				2
☐ ⚡ 7tv fixed	bug #286 by Zwyroleex	was closed on Nov 1, 2023				2
☐ ⚡ Some of my followed streamers are covered in closed captioning	bug, ios #279 by bruhcomeatme12	was closed on Oct 23, 2023				1
☐ ⚡ Video signal freezes on Android Frosty app ver.3.1.4	bug #276 by Foyer	was closed on Sep 19, 2023				5
☐ ⚡ Other Channel's Subscriber Emotes Not Showing	bug #274 by moonphased	was closed on Nov 1, 2023				3
☐ ⚡ Unintentional automatic activation 'Closed captions'	bug #273 by atenzi	was closed on Jun 21, 2023				2
☐ ⚡ Emote search not working on 3.1.2	bug #266 by Jnosh	was closed on Jun 2, 2023				2
☐ ⚡ Emotes not showing up (recently)	bug #260 by ASSASSIN111305	was closed on Apr 29, 2023				2

# **Results and metrics**

# 350,000+ downloads



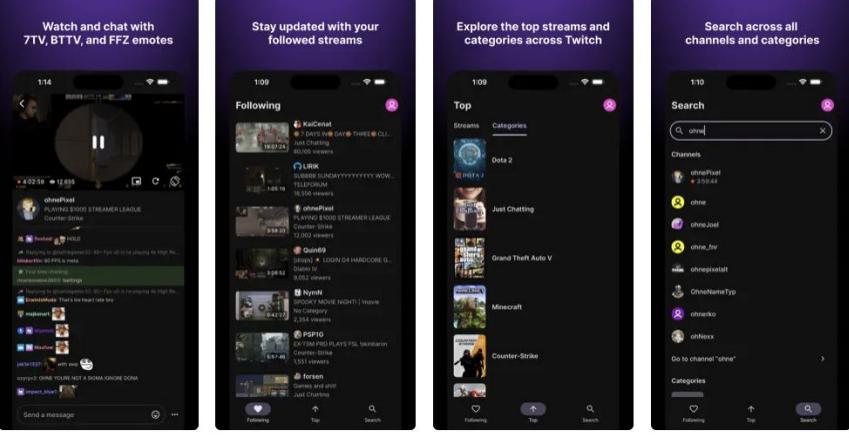
# 50,000+ monthly active users



# 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](#)



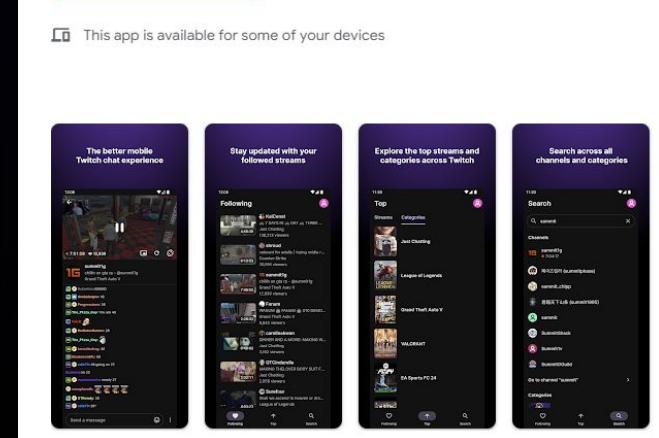
# Frosty for Twitch

[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



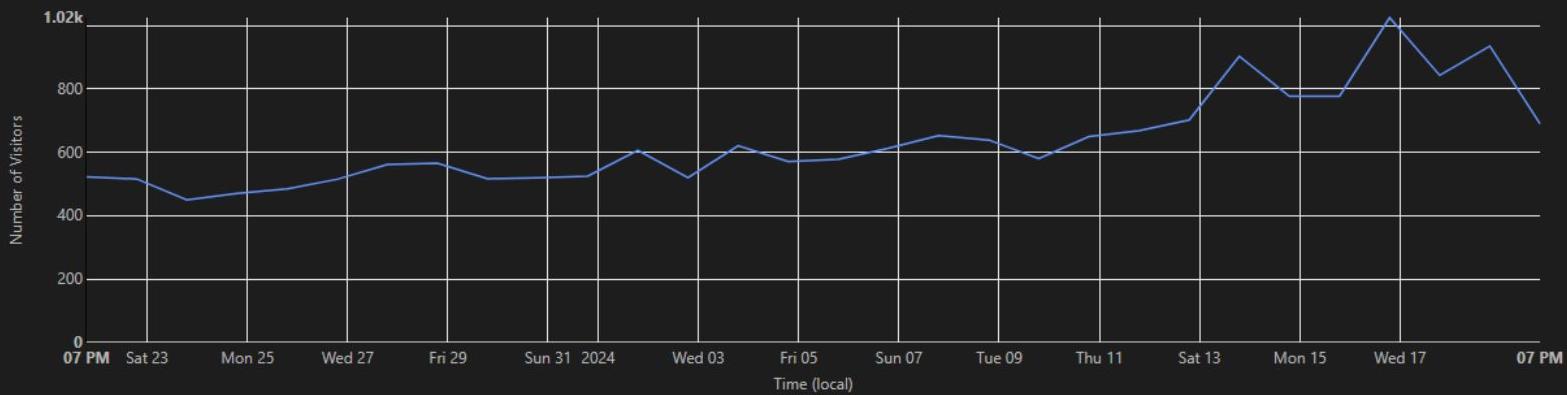
# 15,000+ monthly website visitors

## 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'. At the top right, there are buttons for 'Sponsor', 'Unpin', 'Unwatch 6', 'Fork 31', and a 'Starred 507' button, which is circled in red. Below the header, it shows 'main' branch, '4 Branches', and '33 Tags'. A search bar and 'Add file' button are also present.

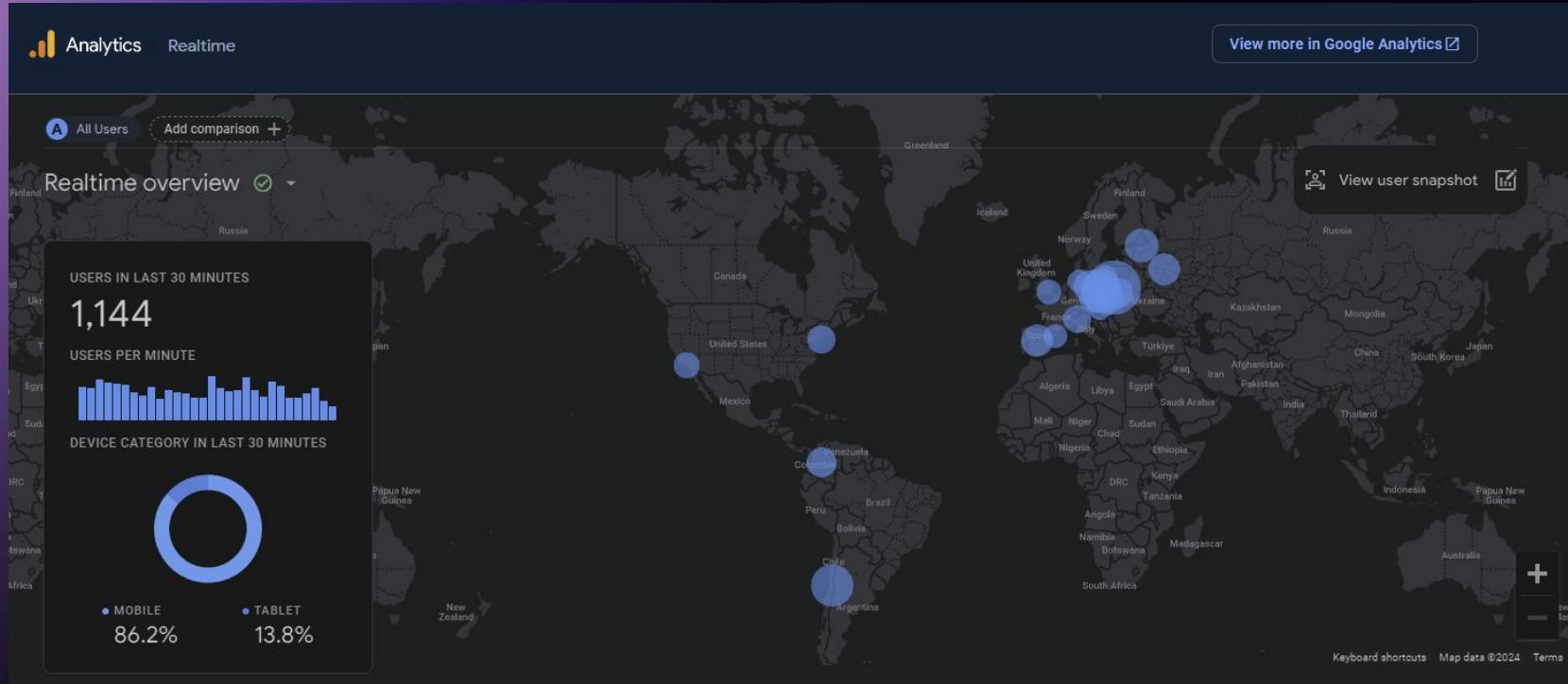
The main content area displays a list of commits from the 'tommyxchow' author for 'Release v4.3.0'. The first commit is highlighted with a red circle around the '1,004 Commits' count. The commit details are as follows:

- tommyxchow · 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

To the right of the commit list, there is an 'About' section with a description of the project: 'A mobile Twitch client for iOS and Android with 7TV, BetterTTV (BTTV), and FrankerFaceZ (FFZ) support.' Below this is a link to 'frostyapp.io' and a list of tags: android, dart, chat, ios, firebase, twitch, streaming, video, irc, stream, frontend, mobx, fastlane, vscode, actions, flutter, chat-application, flutter-apps, flutter-examples, github-actions.

At the bottom right, there are links for 'Readme', 'AGPL-3.0 license', 'Activity', '507 stars', '6 watching', '31 forks', and a 'Releases 31' section. The 'v4.3.0' release is marked as 'Latest' and 'last month'. There is also a link to '+ 30 releases'.

# Global audience



# Future plans

# Future plans

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

The image shows a mobile application interface with a dark background. At the top, there is a small orange decorative element resembling a bone. Below it is a button labeled "Add comment". The main title "Frosty TODO" is displayed in a large, bold, black font. Underneath the title is a list of tasks, each preceded by a checkbox. The tasks are:

- 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