

Stuff about Stuff

Adam Bell (@b3LL)



Who am I?

- * @b3LL on twitter
- * Canadian
- * I like red



What do I do?

- * iOS (Jailbreak stuff... obviously)
- * Mac
- * Android
- * Windows Phone
- * Blackberry <- Does anyone still even use this?
- * ALL the things!



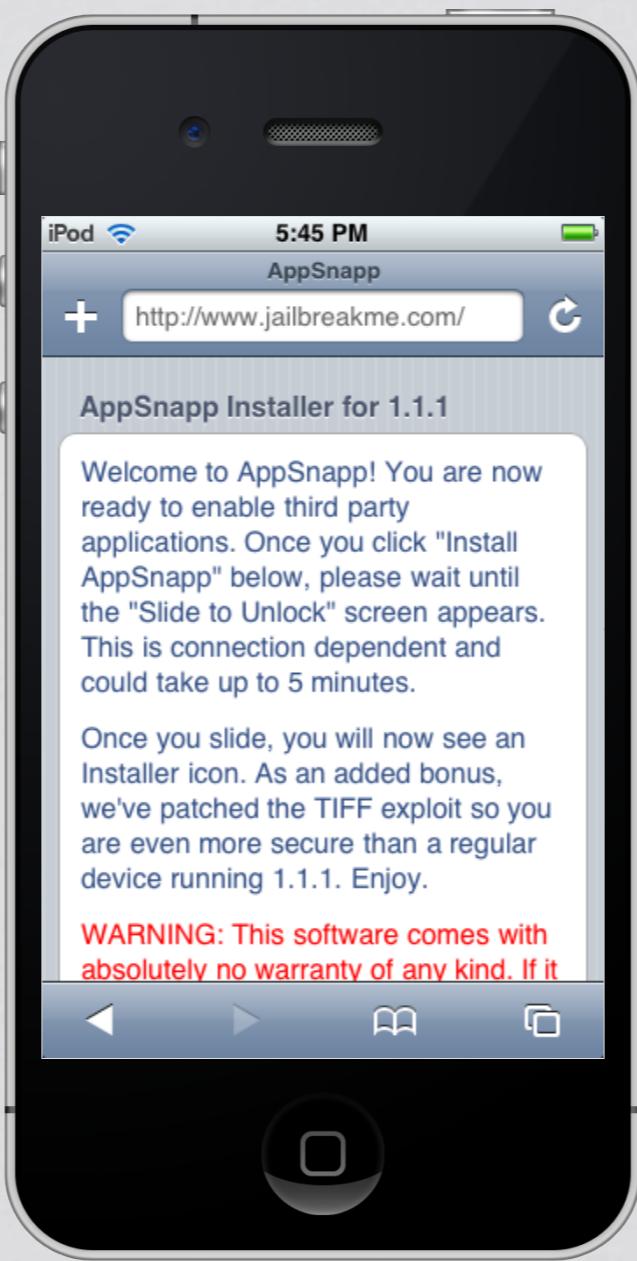
History

- * Started iPhone dev in 2007/2008 (can't really remember)
- * Couldn't afford a Mac at the time so I built my first Hackintosh
- * Started “working” with an iPod Touch 1G



History

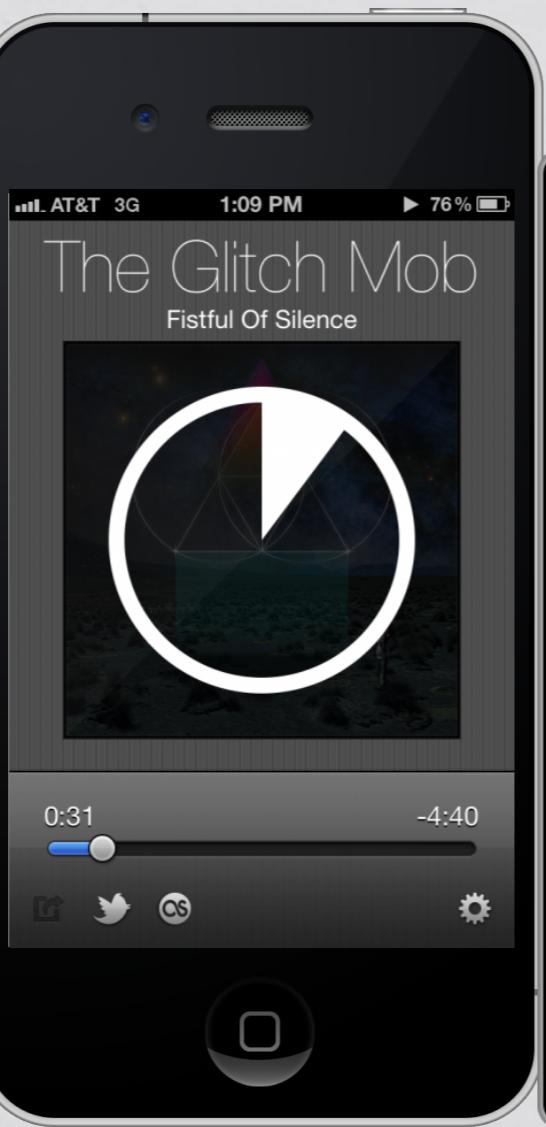
- * Speaking of History... who remembers this?



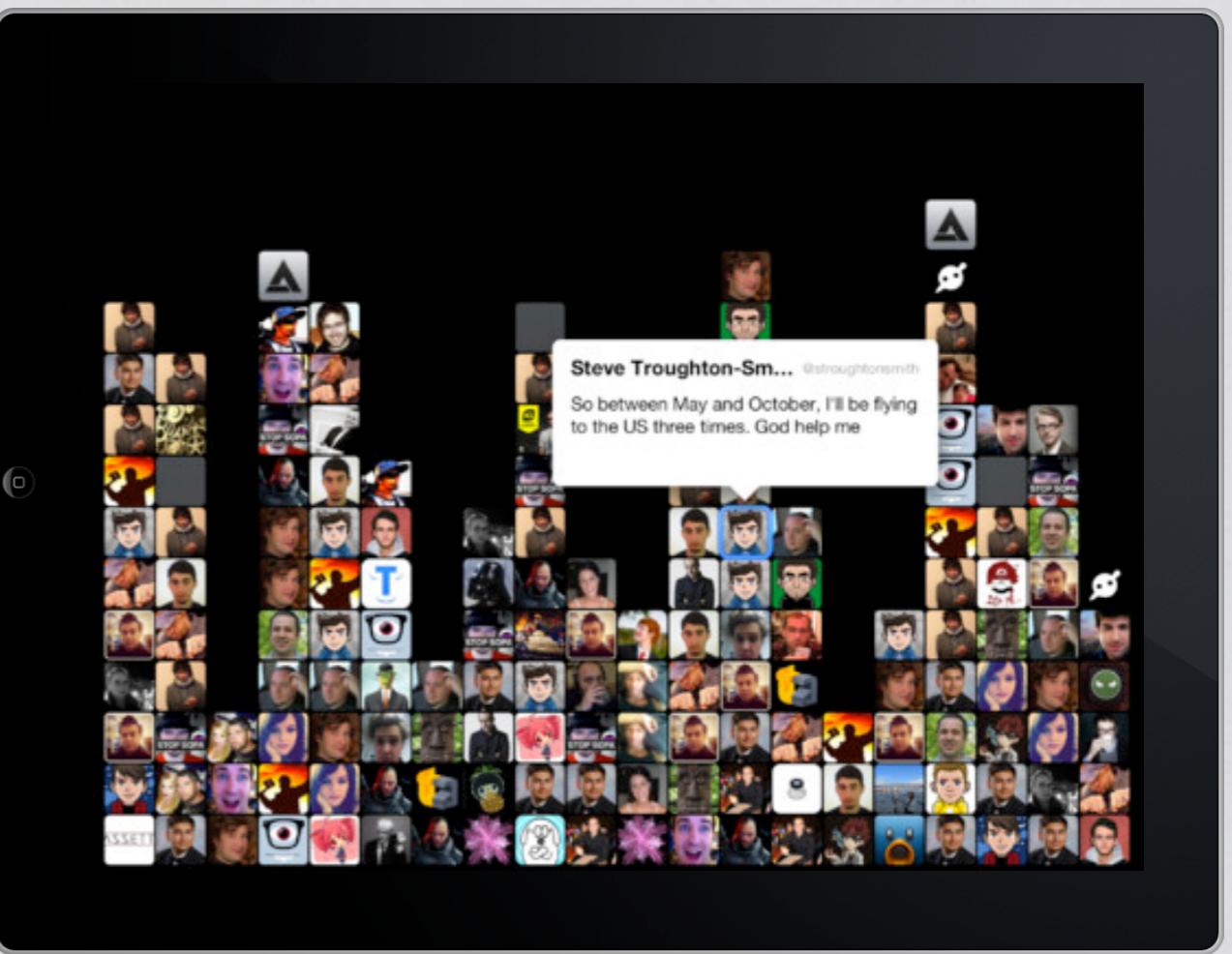
App Store



Vivid



Reprise



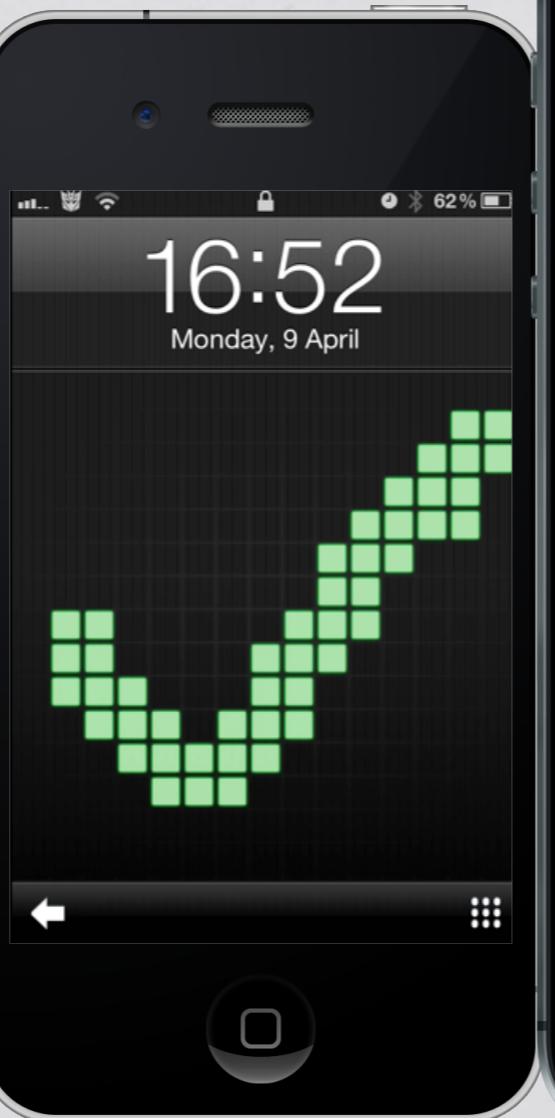
Crest



Cydia Store



Cascade



Stride



MessageBox

GLASS



PostOffice

MessageBox

(that Chat Heads Hack)

- * Broke Facebook chat heads out of the Facebook app
- * Made them system-wide
- * iPhone and iPad compatible
- * Open Source! <http://www.github.com/b3ll/messagebox/>
- * Magically still works (I have no idea how... :P)



Chat Heads



iOS is Sandboxed



Chat Heads were **Android-only**



Gimme. (Chat Heads pls)



“Cy”cript (yeah, yeah, “sssss”cript)



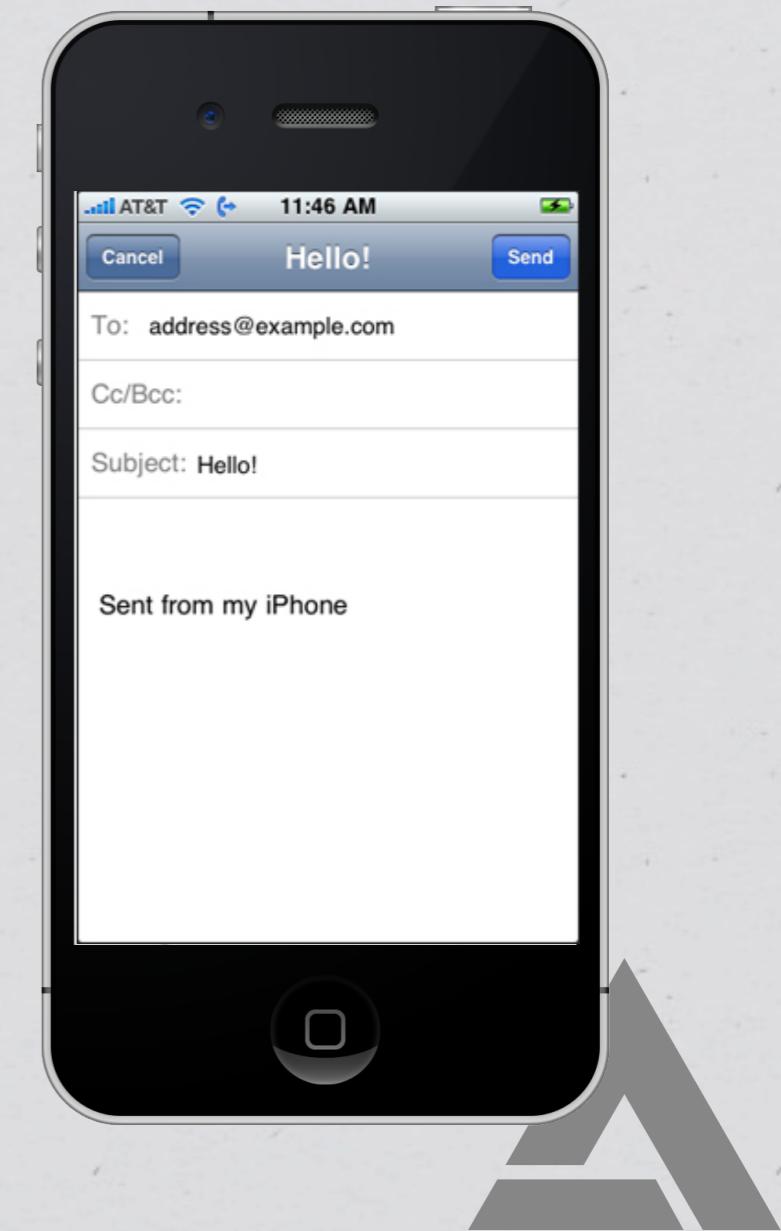
“It even sounds cool.”



XPC

(XtraPrettyCool.framework)

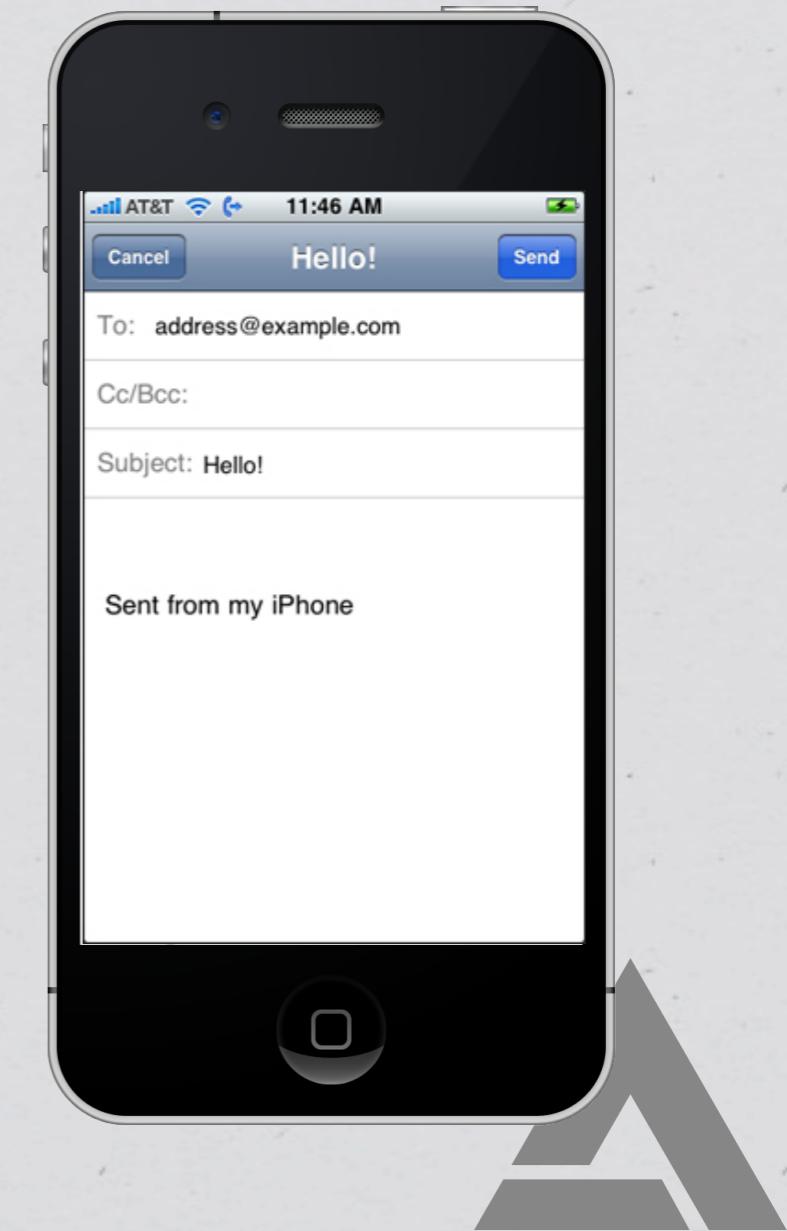
- * Way to share things between processes
- * Can be used to share views!
(like Mail and stuff)
- * What remote views use



XPC

(XtraPrettyCool.framework)

- * Used it to have Facebook communicate with SpringBoard
- * Also gave it infinite use of BKSProcessAssertion :D
- * Tried creating the Facebook app as a remote view, but that failed :(



BackBoard



SpringBoard

does the “springing”



BackBoard (backboardd)

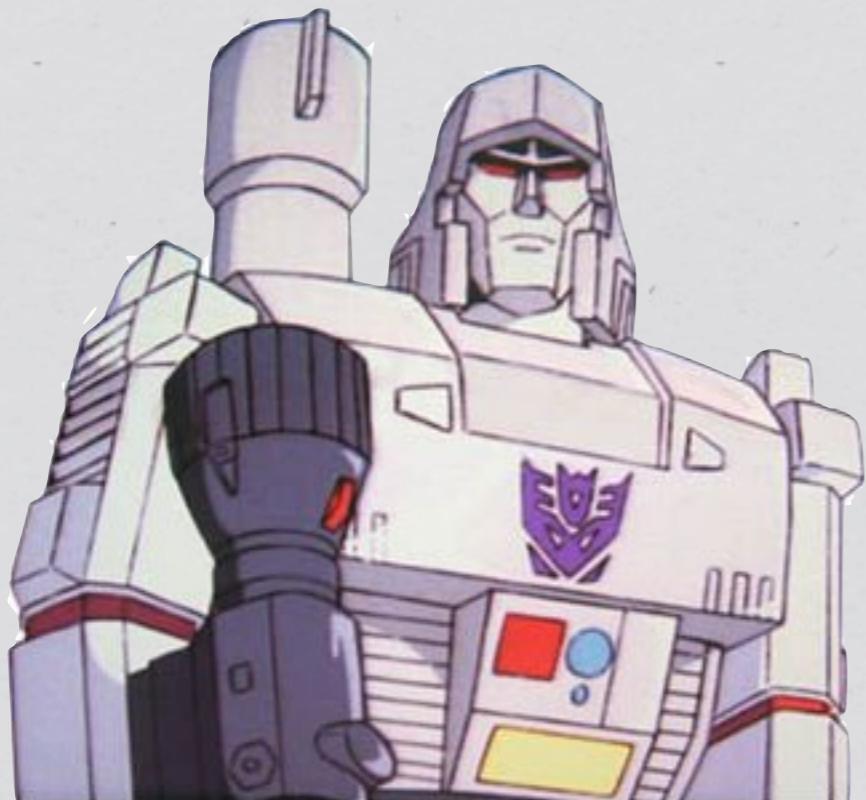
does the behind-the-scenes stuff



BackBoard



- * Speaking of hidden, there's this awesome hidden process in iOS that's called **megatron!** :D
- * (still have no idea what it does yet)



BackBoard Services

(backboardd API-ish)

- * Watchdog likes to be a jerk and kill ALL the apps
- * BKSProcessAssertion : Gives processes special permissions (like infinite backgrounding!)
- * Needed to use this especially for allowing OpenGL in the background.



* Can be used like Backgrounder on iOS!
(which was awesome :D, thanks ashikase)



BackBoard Services (backboardd API-ish)

```
keepAlive = [[BKSProcessAssertion alloc] initWithPID:<facebookPID>
                                                     flags:
(ProcessAssertionFlagPreventSuspend |
ProcessAssertionFlagAllowIdleSleep |
ProcessAssertionFlagPreventThrottleDownCPU |
ProcessAssertionFlagPreventThrottleDownUI)

                                                 reason:kProcessAssertionReasonBackgroundUI
                                                 name:@"epichax"
withHandler:^void (void)
```

```
{  
}];
```



BackBoard/XPC Demo!

STAND BACK



**I'M GOING TO TRY
SCIENCE**

And someone please pray this actually works...



Post Office

(iOS Notifications on Glass)

- * Pushed ALL iOS Notifications to Glass
- * Open Source! <http://www.github.com/b3ll/postoffice/>



Post Office

(iOS Notifications on Glass)

- * Used the Glass REST API to forward notifications.
- * Basically whenever a banner was shown, it would grab all the text and send it to Glass.
- * Grouped all notifications into a single group so it didn't take over your entire Glass timeline.



So What's Next?

- * Not really sure!
- * Can't wait to see what's going to happen with iOS 7 and 8.
- * Android! ... #lolno.



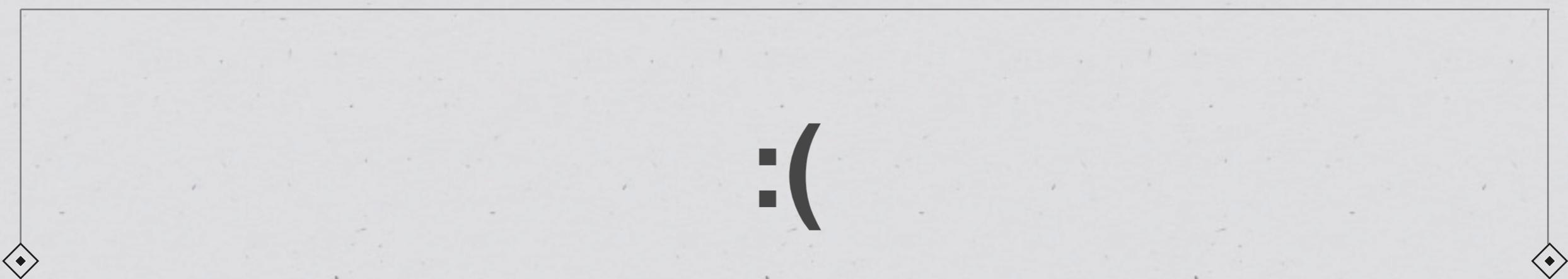
Questions?



Questions??



:)



no u

