



Developer Documentation

Name: Class Chat

Version: 1.0

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Requirements

- MacOS >= 10.12
- Xcode >= 8.2
- Cocoa Pods
- Swift = 3

Installing

1. Open Xcode
2. Click Source Control
3. Click Checkout
4. Enter <https://github.com/ECE373-Fall16/classchat.git>
5. Choose "ClassChatFinal"
6. Save and quit Xcode.
7. Open Terminal
8. `cd ~/path/to/downloaded/folder`
9. `pod install`
10. Open downloaded folder and open "ClassChat.xcworkspace"
11. To run in Simulator, press the triangle in the top left. Please choose iPhone 6.
12. Success

File Structure(Important Files Only)

```
/ classchat
  / ClassChat
    / Assests.xcassets
      • Contains App Icons
    / Base.lproj
      o LaunchScreen.storyboard
      o Main.storyboard
    o AppDelegate.swift
    o Backup.swift
    o Channel.swift
    o ChannelListViewController.swift
    o ChatViewController.swift
    o ClassChat-Bridging-Header.h
    o ClassChat.entitlements
    o CreateChannelCell.swift
    o ChangeEmailViewController.swift
    o ChangePasswordViewController.swift
    o LoginViewController.swift
    o OnlineUsersViewController.swift
    o ProfileViewController.swift
    o Testing.swift
    o ForgotViewController.swift
    o UIImage+Gif.swift
```

- User.swift
- RegisterViewController.swift
- TcViewController.swift
- GoogleService-Info.plist
- Info.plist

- / Logo
- ProfanityFile.txt
- Podfile
- ClassChat.xcodeproj
- Testing.swift
- README
- Terms and conditions

File Definitions

LaunchScreen.storyboard

Used for the Launch Screen UI design.

Main.storyboard

Used for the Application's UI design called after Launch Screen

AppDelegate.swift

Defines the application and instigates calls from the application itself.

Backup.swift

Working file. Used to back up bits of code before editing.

Channel.swift

Globally defines a channel

ChannelListViewController.swift

Controls the view of the classes

ChatViewController.swift

Controls the view of the chat

ClassChat-Bridging-Header.h

Does Nothing. Required.

ClassChat.entitlements

Tells IOS what the app is entitled to. The Keychain, Photos, Camera, Media.

CreateChannelCell.swift

Creates the cell in the table in which the class names are stored.

ChangeEmailViewController.swift

Not Used. But would allow user to user to change email

ChangePasswordViewController.swift

Not Used. But would allow user to user to change password

LoginViewController.swift

Used to the control the login page

[OnlineUsersViewController.swift](#)

Used to update which users are online

[ProfileViewController.swift](#)

Used to show who is currently logged in

[Testing.swift](#)

Used to test/write functions before implementing

[ForgotViewController.swift](#)

Used to allow user to reset password from login page

[UIImage+Gif.swift](#)

Controls how images are shown

[User.swift](#)

Defines a user

[RegisterViewController.swift](#)

Controls the view in which the user registers to use the app

[TcViewController.swift](#)

First view after Login Screen. Displays Terms and Conditions

[GoogleService-Info.plist](#)

Defines how the app connects to Firebase. Hold keys and database info

[Info.plist](#)

Refer to ClassChat.entitlements

[ProfanityFile.txt](#)

List from Google that lists Profanity words

[Podfile](#)

Defines what cocoa pods to use

Bugs

1. Online Users List has issues updating
2. Sending pictures very buggy

Future Implementations

1. Private Chats between Users
2. Authentication to the classes you are in
3. Integration with Spire/Moodle
4. Allow to be used with other universities