

iOS

Application

Framework & Library

21st digital Templates

watchOS

Application

Framework & Library

tvOS

Application

Framework & Library

OS X

Application

Framework & Library

System Plug-in

Xcode Plugin

Other



Master-Detail Application



Page-Based Application



Single View Application



Tabbed Application



Game

# THE BEGINNING

## Master-Detail Application

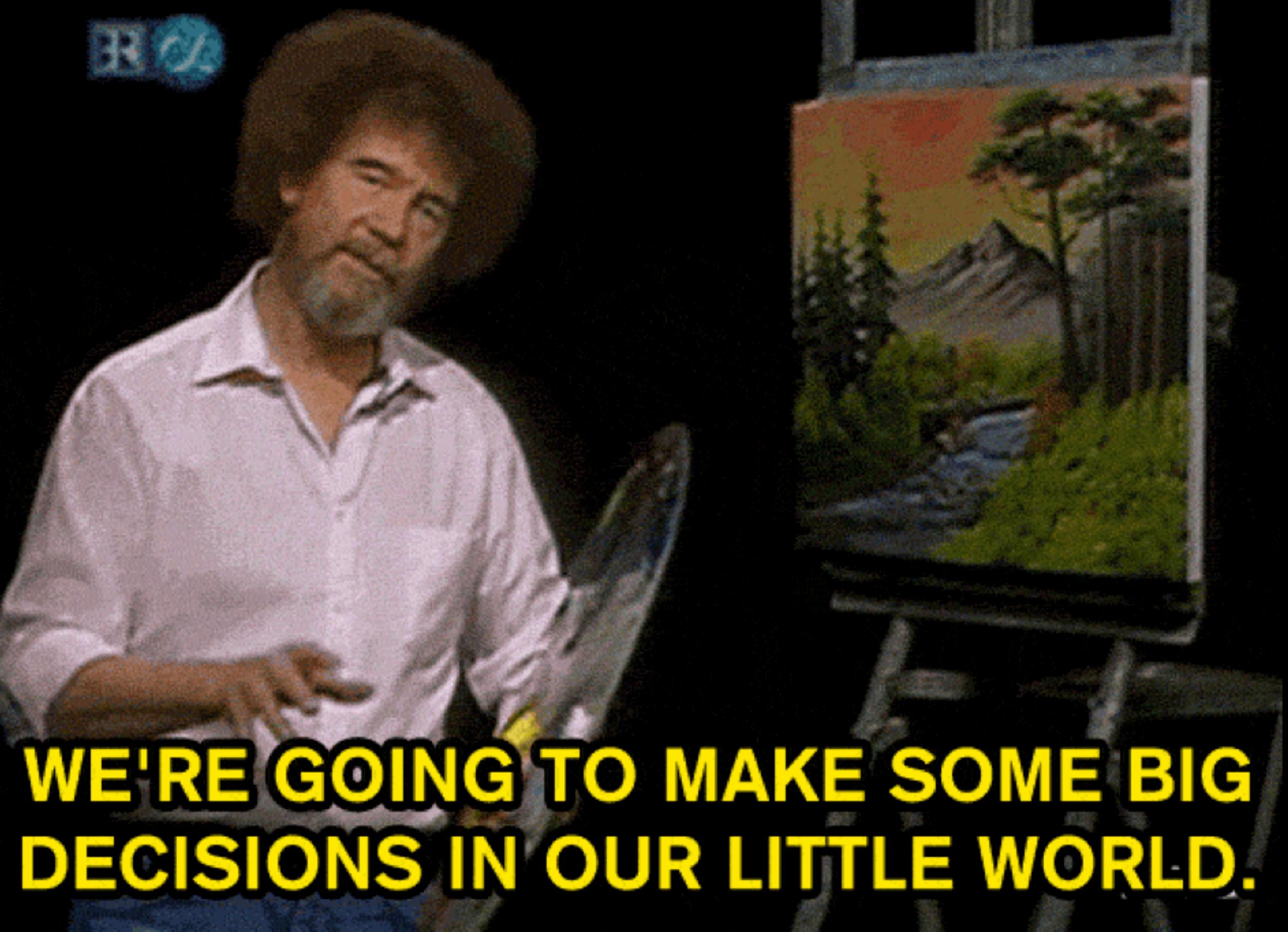
This template provides a starting point for a master-detail application, using a split view controller to display a list of items and a detail view.

Cancel

Previous

Next

B.C.



**WE'RE GOING TO MAKE SOME BIG  
DECISIONS IN OUR LITTLE WORLD.**

A wide-angle photograph of a rolling green hillside under a bright blue sky. The hillside is covered in lush green grass with some yellow flowers. The sky is filled with various sizes of white clouds, from small wisps to large, fluffy cumulus. In the distance, more hills and a few small buildings are visible.

GREEN FIELD



THAT'S NOT WHAT THIS TALK IS ABOUT. MOSTLY.



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Reminders



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Reminders



Allergic to Falafel?

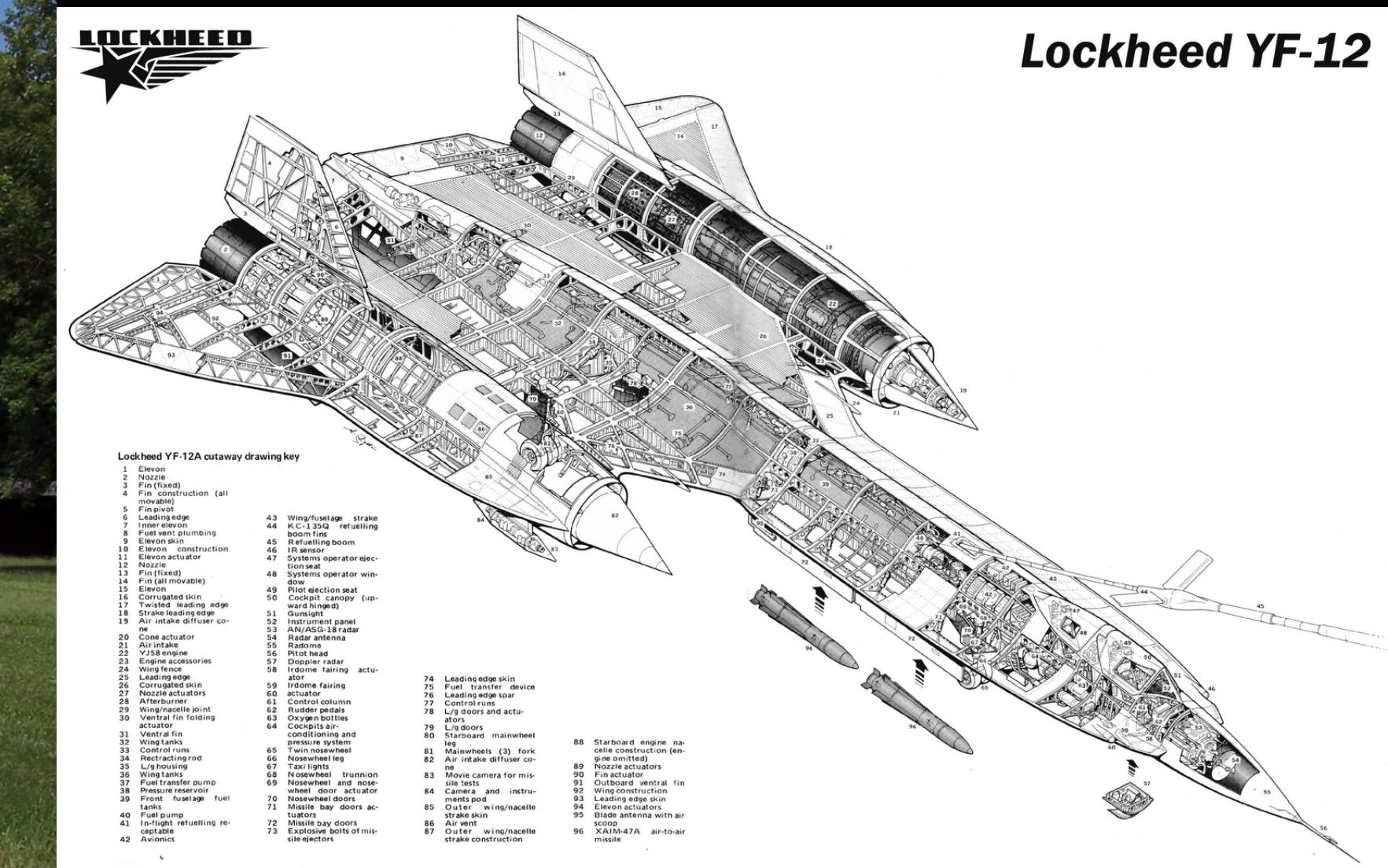


YAHOO!

Terms and Privacy

YAHOO!

Terms and Privacy



# UNDERSTANDING OTHER PEOPLE'S CODE

**RIGHT. TAKE A DEEP BREATH.**

**WHAT COMES NEXT?**

ORGANIZATION

```
tree -if | grep "\.m$" | xargs -n 1 wc -l | sort -n
```

600 ./Networking/API\_Modules/ARUserManager.m  
608 ./Models/API\_Models/Partner\_Metadata/Artwork.m  
638 ./View.Controllers/Core/ARArtistViewController.m  
871 ./View.Controllers/Contact/ARIInquireForArtworkViewController.m  
935 ./Networking/ARRouter.m  
1403 ./App/ARAppDelegate+Analytics.m  
39643 total

DEPENDENCIES

ORGANIZATION

DEPENDENCIES SHOW THE TRUE  
FOOTPRINT OF YOUR PROJECT

DEPENDENCIES ARE 🤡

BUILD A SMALL. BUT NON-TRIVIAL. RAILS APP. AN EMPTY APP HAS ~50 GEM DEPENDENCIES: YOURS WILL HAVE 75-100. GO AWAY FOR SIX MONTHS. COME BACK AND UPDATE ALL OF YOUR DEPENDENCIES. YOUR APP NO LONGER WORKS.

- @GARYBURNHARDT



# IS A DEPENDENCY

TRY COMPILING A THREE20 APP IN XCODE7

**TRY COMPILING A SWIFT 1 APP IN XCODE7**

**TRY USING AN XCODE 7.1 PLAYGROUND IN XCODE 7.0**

**FOR ADDING A NEW BUTTON. JUST STOP HERE.**

PATTERNS

DEPENDENCIES

ORGANIZATION

DISCUSSION

PATTERNS

DEPENDENCIES

ORGANIZATION



## resolving collection view height

yifanfu authored 19 days ago ✖



## update snapshots

yifanfu authored 19 days ago ✓

### Commits on Oct 21, 2015



#### comments

yifanfu authored 18 days ago ✖



#### using correct shade color for sto

yifanfu authored 18 days ago ✖



#### code review

yifanfu authored 18 days ago ✖



#### resolve merge conflict

yifanfu authored 18 days ago ✖

### Commits on Oct 22, 2015



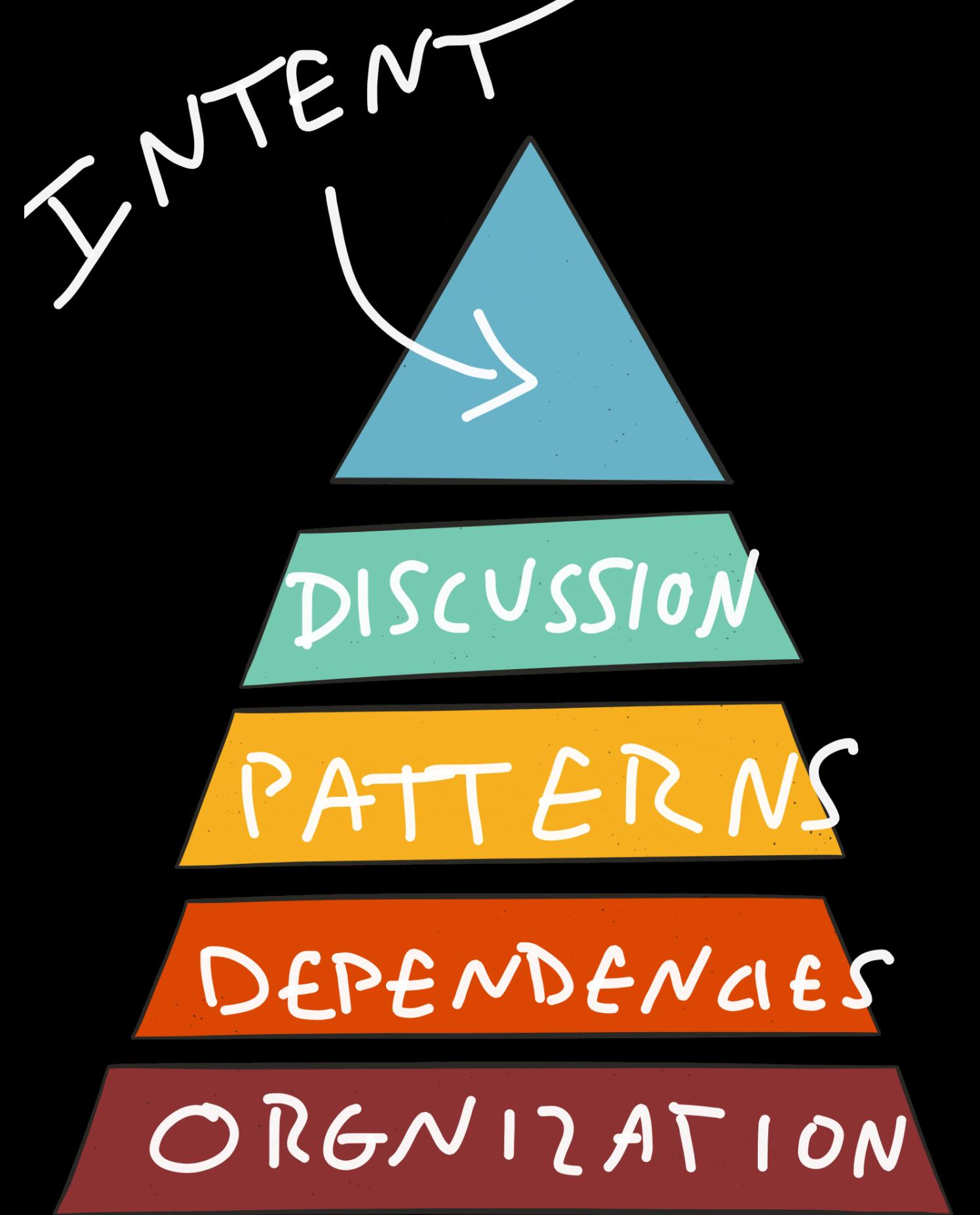
#### resolve conflicts

yifanfu authored 17 days ago ✖

Conversation 88

Commits 17

Files changed 39



**SO, LET'S GET MORE PRACTICAL ABOUT HOW TO WORK WITH  
LEGACY CODE.**

**READ THE TESTS. THERE ARE TESTS. RIGHT?**

**WRITE NEW TESTS. THOSE ARE EASY, RIGHT?**

**THE FIRST TEST IS THE MOST IMPORTANT**

```
it(@"should be initializable", ^{
    DGHomeViewController *controller = [[DGHomeViewController alloc] init];
    expect(controller).toNot.beNil();
});
```

```
before(^{
    // Setup in-memory CoreData
});

it(@"should be initializable", ^{
    DGHomeViewController *controller = [[DGHomeViewController alloc] init];
    expect(controller).toNot.beNil();
});
```

```
it(@"should be initializable", ^{
    UIWindow *window = [[UIWindow alloc] initWithFrame:[UIScreen mainScreen].bounds];
    DGBigViewController *controller = [[DGBigViewController alloc] init];
    expect(controller).toNot.beNil();
    window.rootViewController = controller;
    [window makeKeyAndVisible];

    expect([controller isViewLoaded]).to.beTruthy();
});
```

```
before(^{
    // Setup in-memory CoreData
    // Stub News HTTP requests
    // Stub Image HTTP requests
    // Setup a fake User
});
```

**WHERE ARE ALL THESE IMPLICIT DEPENDENCIES COMING FROM?**

```
+ (instancetype)sharedDoodad {
    static DoodadManager *_sharedDoodad = nil;
    static dispatch_once_t onceToken;
    dispatch_once(&onceToken, ^{
        _sharedDoodad = [[DoodadManager alloc] init];
    });
}

return _sharedDoodad;
}
```

# AT LEAST HAVE A WAY TO RESET IT.

```
static DoodadManager *_sharedDoodad = nil;
static dispatch_once_t onceToken;

+ (void)setSharedDoodad:(DoodadManager *)doodad {
    if (!doodad) {
        _sharedDoodad = nil;
        onceToken = 0;
    } else {
        _sharedDoodad = doodad;
    }
}

+ (instancetype)sharedDoodad {
    dispatch_once(&onceToken, ^{
        _sharedDoodad = [[DoodadManager alloc] init];
    });
}

return _sharedDoodad;
}
```

**BETTER: MOVE FROM STATIC SINGLETON  
TO ATTACHED TO APPDELEGATE**

**BEST: MOVE FROM APPDELEGATE TO  
DEPENDENCY INJECTION**

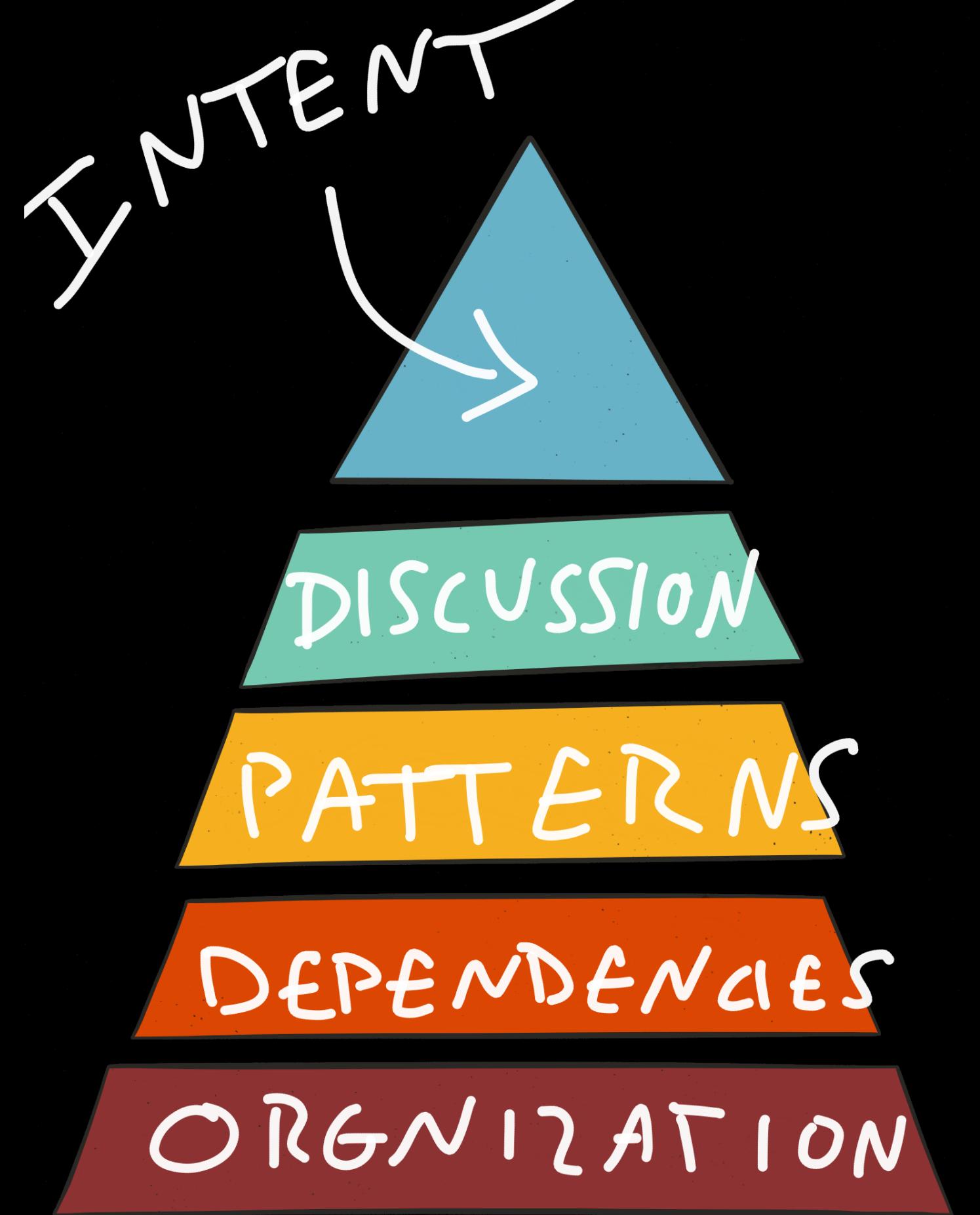
**USE A STYLE BASED MARKER FOR  
THINGS THAT YOU HAVE UPDATED**

E.G. BRACES ON METHODS OR MODERN LITERALS.

I SAID LEGACY. BUT...

THIS APPLIES TO UNDERSTANDING NEW  
DEPENDENCIES TOO

# UNDERSTANDING OTHER PEOPLE'S CODE



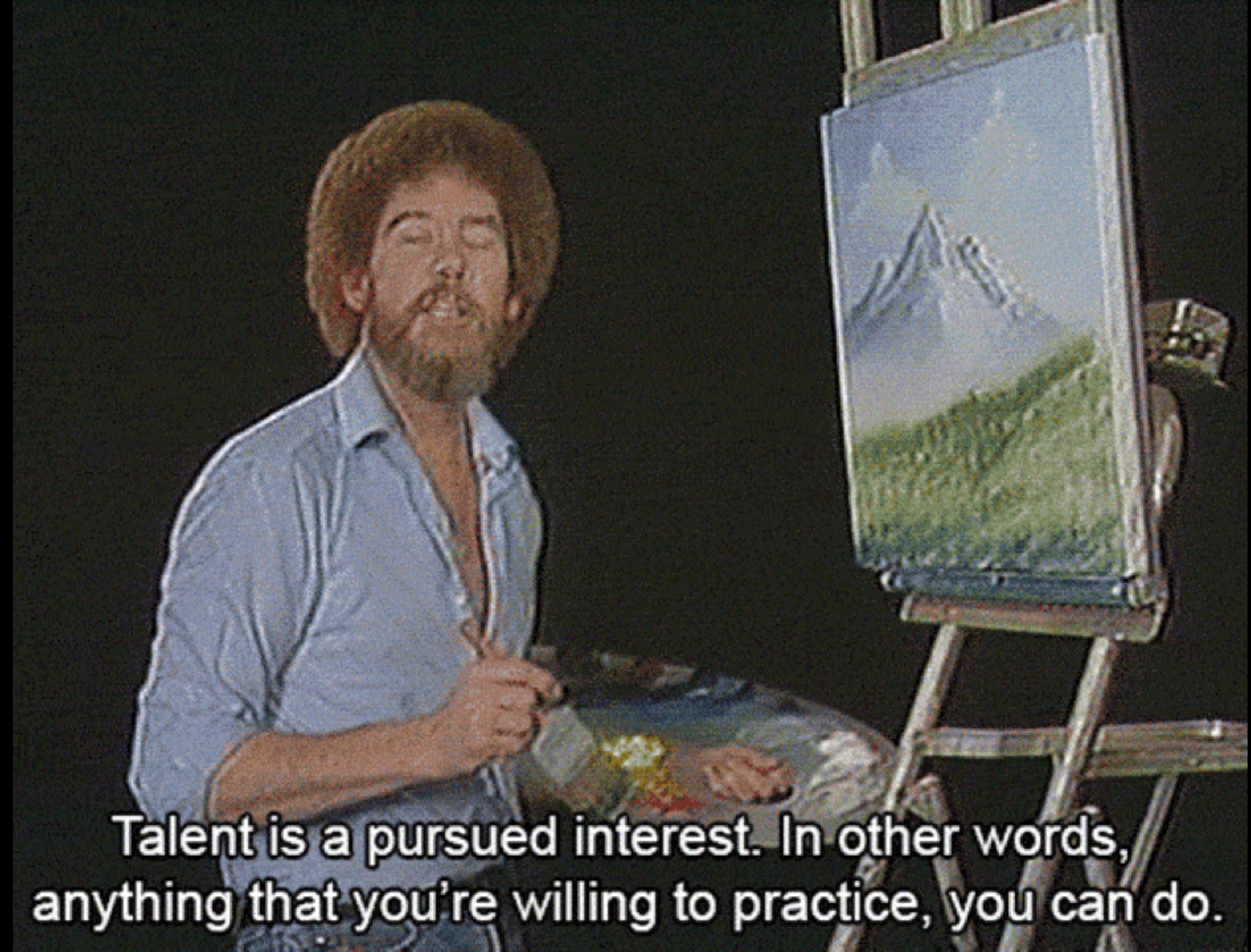
# UNDERSTANDING OTHER PEOPLE

**NO CODE IS PERFECT.**



We don't make mistakes -  
we just have happy accidents.

**ALL CODE HAS A STORY.**



Talent is a pursued interest. In other words,  
anything that you're willing to practice, you can do.

EVERYTHING YOU'VE EVER THOUGHT  
ABOUT OTHER PEOPLE'S CODE. IS  
SOMETHING THAT OTHER PEOPLE HAVE  
THOUGHT ABOUT YOUR CODE.



**WELL, THE LITTLE CLOCK ON THE WALL SAYS WE'RE JUST  
ABOUT OUT OF TIME. GOD BLESS YOU MY FRIEND.**

@DBGRANDI -->



# LINKS

[https://www.reddit.com/r/programming/comments/2343yu/the\\_setup\\_gary\\_bernhardt\\_i\\_dont\\_want\\_more\\_or/](https://www.reddit.com/r/programming/comments/2343yu/the_setup_gary_bernhardt_i_dont_want_more_or/)