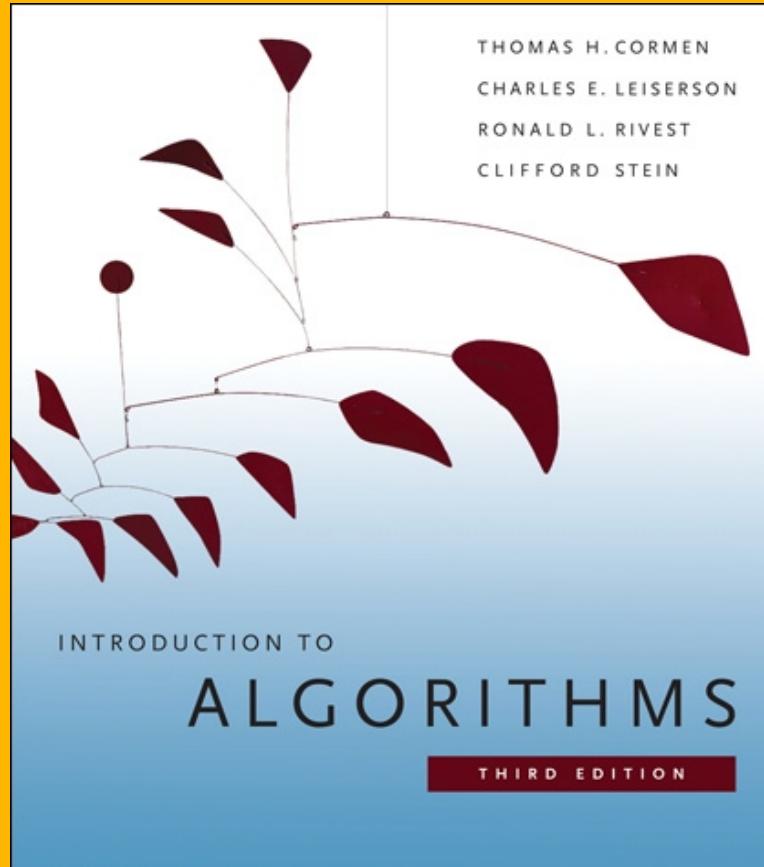




# Mistakes I Made as a Junior Software Engineer **(So You Don't Have To!)**







1

# Not understanding (or caring about) users





# Tips

- How do users currently do their tasks?
- Sit with them while they work.
- What are their expectations?
- Take a genuine interest in what they do.
- Build communication skills.



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Gear by José Campos from the Noun Project

# Spoiler Alert!

It took way longer ⏳



2

# Over-committing, under-delivering





# What I didn't consider

## Tests

- Updating existing tests
- Adding more tests

## Dependencies

- Relying on other teams

## Deployments

- They take time!



# Tips

- Define “Done”.
- Identify assumptions.
- Consider non-development effort.
- Think about dependencies.
- Add a fudge factor.
- Use past experiences.
- Track accuracy of estimates.



# 30-40%

The average effort overrun of software projects  
( More details at <http://bit.ly/cusec-estimation> )

Jorgensen, Magne, and Kjetil Molokken-Ostvold. "Reasons for software effort estimation error: impact of respondent role, information collection approach, and data analysis method." *IEEE Transactions on Software engineering* 30.12 (2004): 993-1007.

“

*Hofstadter's Law: It  
always takes longer  
than you expect, even  
when you take into  
account Hofstadter's  
Law.*

— Douglas Hofstadter

“

*What one programmer  
can do in one month,  
two programmers can  
do in two months.*

*- Fred Brooks*



# The *Scotty* Principle of estimation



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asked 1 min ago Shiro 25

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modified 1 min ago Funk Forty Niner 77.5k

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logging boost boost-log

modified 1 min ago Sean 40.3k

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3

# Blindly copying code



In my `viewDidLoad` method I have

59

```
locationManager = [[CLLocationManager alloc] init]; // initializing locationManager
locationManager.delegate = self; // we set the delegate of locationManager to self
locationManager.desiredAccuracy = kCLLocationAccuracyBest;
[locationManager startUpdatingLocation];

if([[UIDevice currentDevice] systemVersion] floatValue] >= 8.0) {
    [locationManager requestWhenInUseAuthorization];
}
```

23

And the request is called, but the user is not prompted? Why?

objective-c

xcode

ios8

CLLocationManager

share improve this question

edited May 4 '16 at 20:50



Braiam

3,470 ● 9 ● 29 ● 58

asked Aug 6 '15 at 1:37



spenf10

1,093 ● 3 ● 15 ● 36

## 1 Answer

active

oldest

votes

▲ You probably need to update your `plist` file. Here's a [tutorial how to do it](#), quick & dirty:

227 You need to do is to add one of the following keys to your Info.plist file:

▼ `NSLocationWhenInUseUsageDescription`

✓ `NSLocationAlwaysUsageDescription`

You also need to request authorization for the corresponding location method, `WhenInUse` or `Background`. Use one of these calls:

```
[self.locationManager requestWhenInUseAuthorization]
[self.locationManager requestAlwaysAuthorization]
```

There's also a post that I found helpful:

[Location Services not working in iOS 8](#)

This answer details [how to update your `plist` file](#):

Add one of the following lines to your info.plist

```
<key>NSLocationWhenInUseUsageDescription</key>
<string>The spirit of stack overflow is coders helping coders</string>
```

```
<key>NSLocationAlwaysUsageDescription</key>
<string>I have learned more on stack overflow than anything else</string>
```

You'll probably want to customize and spell-check the strings of the dictionary entry that goes in the info.plist file before [shipping the code](#).

share improve this answer



edited May 23 at 12:10

Community ♦  
1 • 1

answered Aug 6 '15 at 1:51



Adrian  
6,041 • 5 • 39 • 97

add a comment

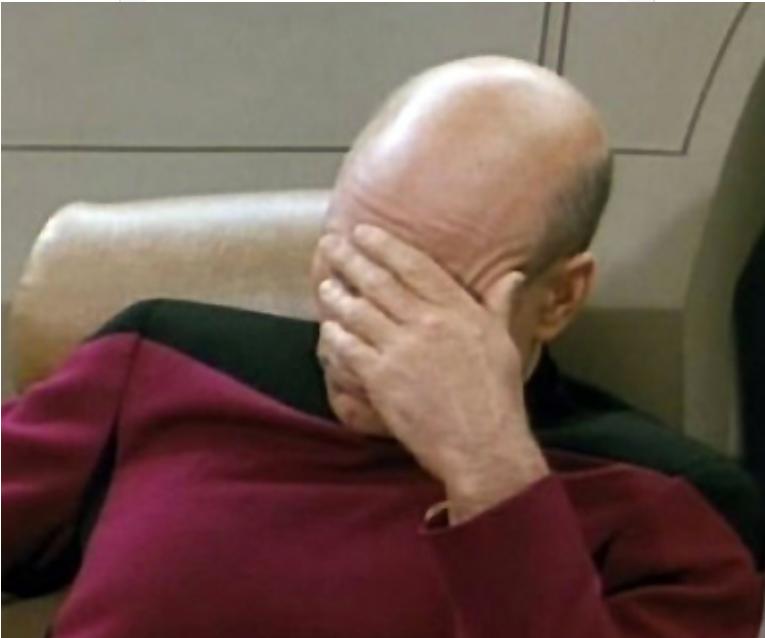
[Location Services Nissan EV](#)

ALLOW LOCATION ACCESS

Never

While Using the App 

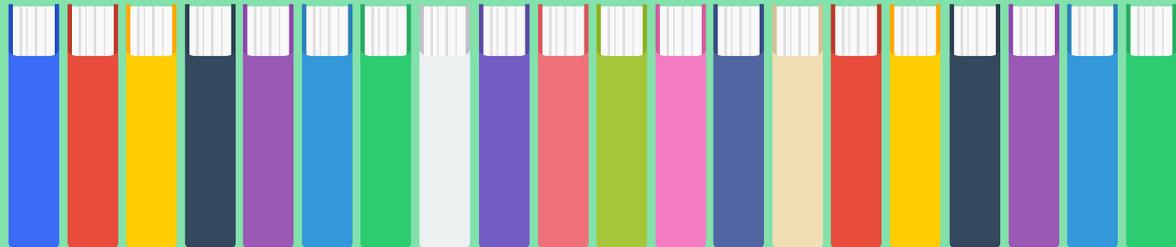
Always



app...

7:10 AM - May 4, 2016

24 586 687





# Tips

- Use StackOverflow as a tool.
- Seek to understand.
- Try brainstorming.



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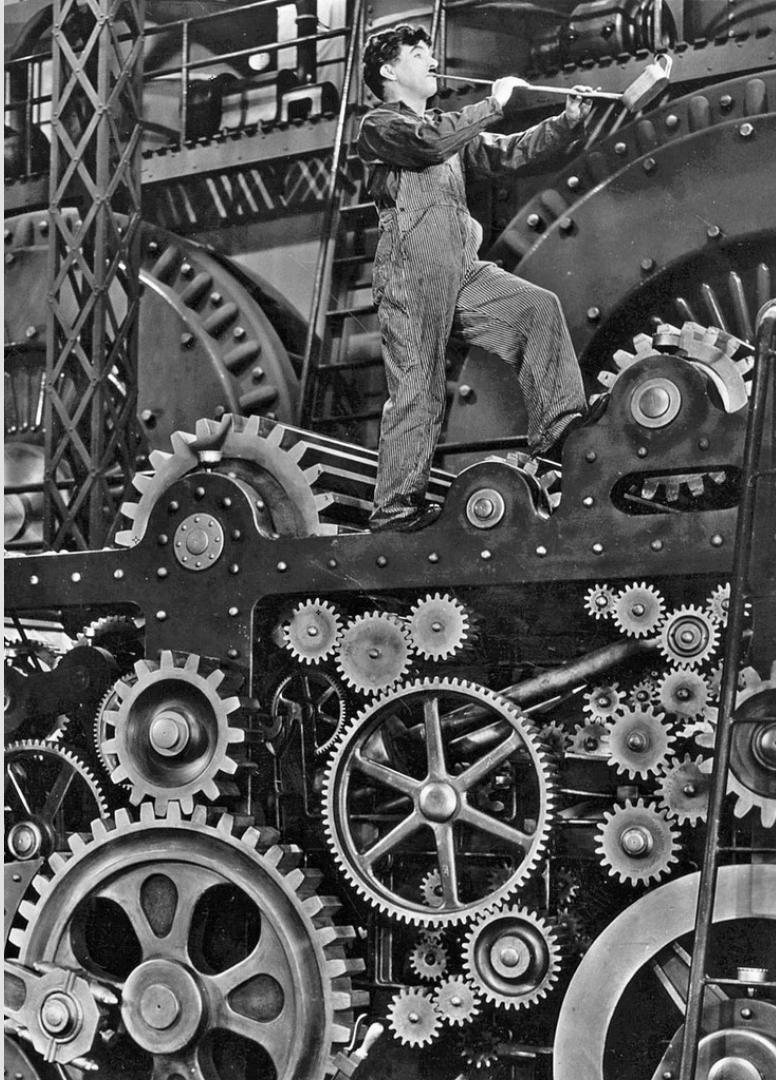
4

# Not writing tests





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5

# Not questioning authority





# Let's review

Not understanding  
(or caring about)  
users



Over-committing,  
under-delivering



Blindly copying  
code



Not writing tests



Not questioning  
authority



“

*The only real mistake is  
the one from which we  
learn nothing.*

- Henry Ford



# Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by [SlidesCarnival](#)
- Photographs by [Unsplash](#)
- These slides can be found at  
[mahtabsabet.com](http://mahtabsabet.com)



# Thanks!

## Any questions?

You can find me at [@mahtab\\_sabet](https://www.instagram.com/mahtab_sabet) & [mahtabsabet.com](http://mahtabsabet.com)