



THE ART OF PROGRAMMING - PART 2: KISS

BASICS OF DOCUMENTING YOUR CODE PART 02

ALI FARNUDI





DAVID JACOB KAPLAN-MOSS

CREDIT

A QUICK REVIEW OF THE LAST LECTURE

- Less comment, is not a bad thing.
 - Don't comment things that are obvious
 - Don't comment what your code is doing
 - Only comment why you did something
- comments are dead
- Well defined variables, functions, and inputs.

Why do people read documentation?

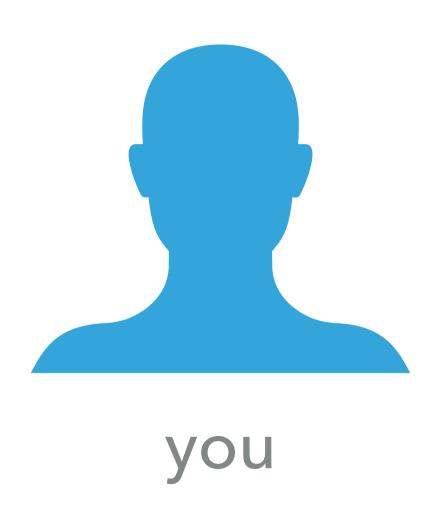
Who should write the documentation?

What should we document?

WHY?

WHY?

- First Contact new users
- ▶ **Education** new users + existing users
- Support experienced users
- Troubleshooting annoyed users
- Internal your fellow developers
- ▶ **Reference** everyone

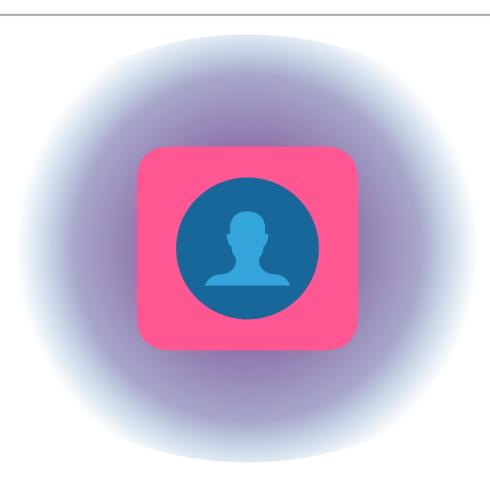




developers



Engaged users that send you emails



invisible users that don't ask questions on stack overflow

GREAT DOCUMENTATION HAS TO SERVE MULTIPLE CONFLICTING MASTERS

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SO NOT JUST DOCUMENT IT BUT WRITE IT MULTIPLE TIMES!

IS IT STARTING TO SOUND HARD?

WHO?

ANYONE

WHO? ANYONE

- Should be obsessed with perfection.
- You are not being published, so typos and **minor** grammar mistakes are ok.
- If there is no documentation people will complain and move elsewhere.
- ▶ But if you write it people will help you with the gaps.
- Great documentation is written by great developers.
- Maybe try Documentation Driven Development.

WHAT?

WHAT?

- **Tutorials**
- Topic Guides
- References
- Troubleshooting

WHAT? TUTORIALS

- Quick The user should experience success within 30mins
- ▶ Easy help users feel an epic win
- Not too easy don't sugar coat the truth
- ▶ Show off how the project **feels**

WHAT? TUTORIALS TOPIC GUIDES

- Conceptual foster understanding, not parroting.
- Comprehensive explain in detail.
- ▶ Tell me the why of the topic

WHAT? TUTORIALS TOPIC GUIDES REFERENCE

- Complete if it is not there it didn't happen.
- Designed for the experienced user
- Give me the how of the topic

WHAT? TUTORIALS TOPIC GUIDES REFERENCE

THERE ARE NO SHORTCUTS FOR DOCUMENTATION.
THEY SHOULD BE WRITTEN, ORGANISED, AND
EDITED BY PEOPLE.

ANSWER TO QUESTIONS ASKED IN ANGER

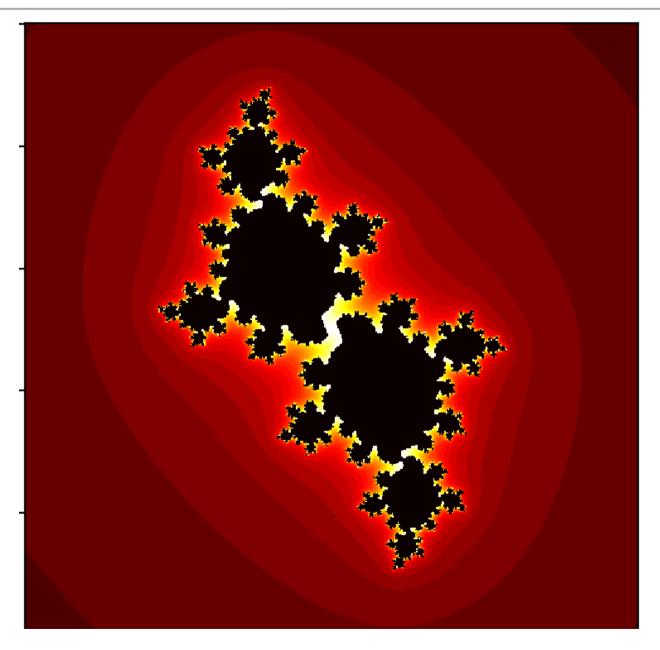
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FAQs are good as long as the Qs are really FA'd.

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VERY DIFFICULT



	Tutorials	Topic guides	Reference	trouble- shooting
Project	Tutorials, getting started	Guides, how-tos	APIs, Indexes, search	FAQs
Document	Introductory material	How-to guides	See also, next steps	Notes, warnings
Section	Overview	Tasks, examples	Cross-ref, API docs	Common pitfalls
Elements	Examples	Detailed instructions		"if it didn't work"

WHICH?

TOOLS DON'T MATTER (FOR THE MOST PART)

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BUT THE MOST IMPORTANT THING IS TO GET IT RIGHT



Why do people read documentation?

Who should write the documentation?

What should we document?

Everybody reads the documentation.

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Developers write great documents

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Great documentation is like a fractal

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Great documentation is like a fractal

Tools don't matter but use good ones



GO WRITE!