



# The Fundamental Practice of Software Engineering Innovation

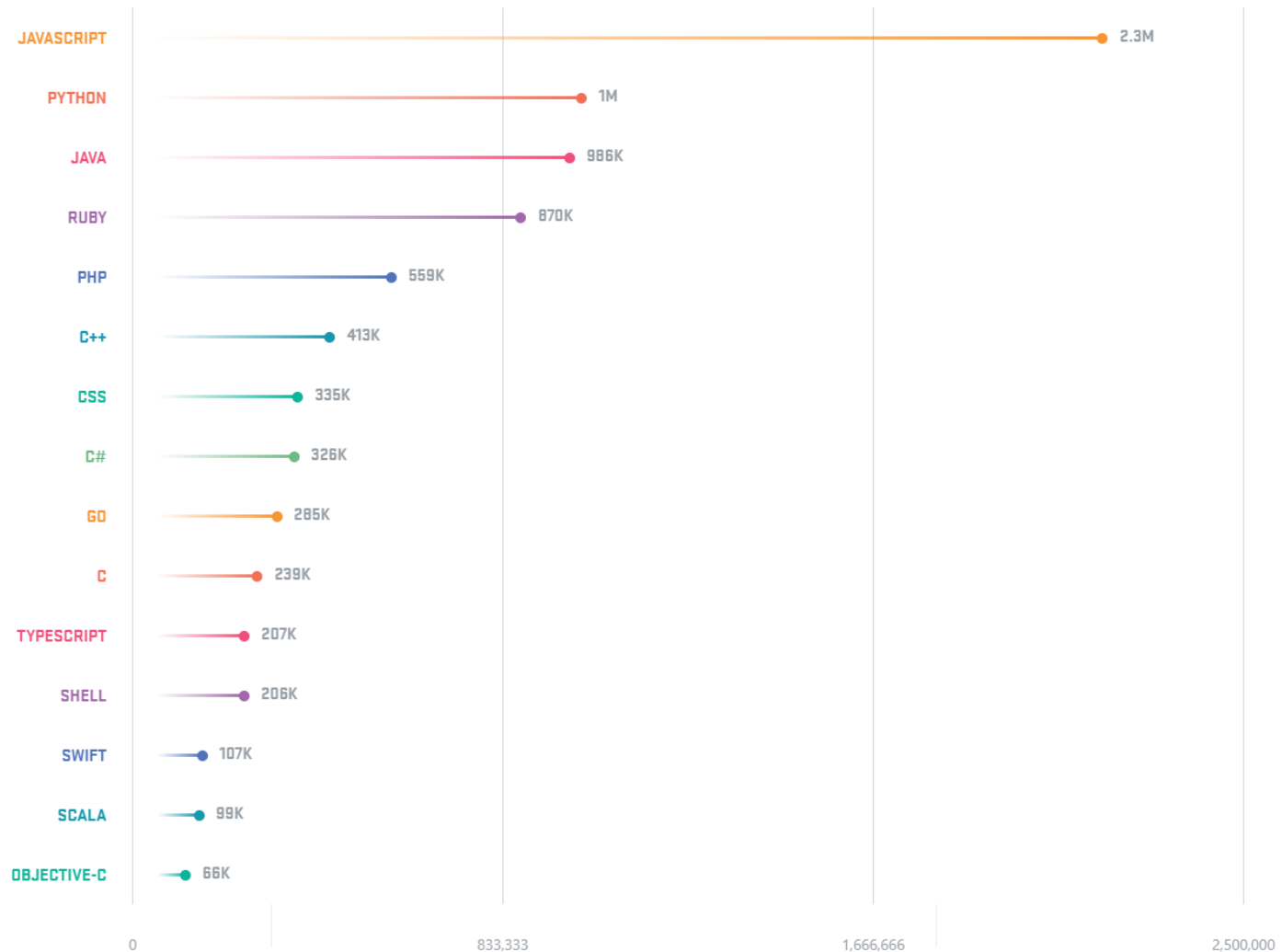
Best Practice of Front-end

2017-10-20













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# The 15 most popular languages on GitHub







## Ten most-forked projects

	TENSORFLOW/TENSORFLOW	24K
	TWBS/BOOTSTRAP	15K
	GITHUB/GITIGNORE	10.8K
	BARRYCLARK/JEKYLL-NOW	10.7K
	TENSORFLOW/MODELS	8.3K
	VUEJS/VUE	8.1K
	FACEBOOK/REACT	8K
	JLORD/PATCHWORK	7.4K
	SPRING-PROJECTS/SPRING-BOOT	7.4K
	TORVALDS/LINUX	6.1K

## Projects with the most contributors


	MICROSOFT/VSCODE	15K
	FACEBOOK/REACT-NATIVE	8.8K
	NPM/NPM	7.6K
	ANGULAR/ANGULAR-CLI	7.4K
	TENSORFLOW/TENSORFLOW	7.3K
	FORTAWESOME/FONT-AWESOME	6.8K
	ANGULAR/ANGULAR	6K
	DOCKER/DOCKER	6K
	JLORD/PATCHWORK	5.9K
	ANSIBLE/ANSIBLE	5.9K



## Projects with the most reviews

	DEFINITELYTYPED/DEFINITELYTYPED	800
	KUBERNETES/KUBERNETES	680
	HOME BREW/HOMEBREW-CORE	580
	ANSIBLE/ANSIBLE	550
	NODEJS/NODE	480
	NIXOS/NIXPKGS	480
	APACHE/SPARK	450
	RUST-LANG/RUST	390
	SYMFONY/SYMFONY	340
	TENSORFLOW/TENSORFLOW	340

## Ten most-discussed repositories

	KUBERNETES/KUBERNETES	388.1K
	OPENSIFT/ORIGIN	91.1K
	CMS-SW/CMSSW	80.1K
	MICROSOFT/VSCODE	78.7K
	RUST-LANG/RUST	75.6K
	DOTNET/COREFX	75.2K
	TGSTATION/TGSTATION	74.8K
	NODEJS/NODE	66.3K
	SERVO/SERVO	54.9K
	ANSIBLE/ANSIBLE	53.9K

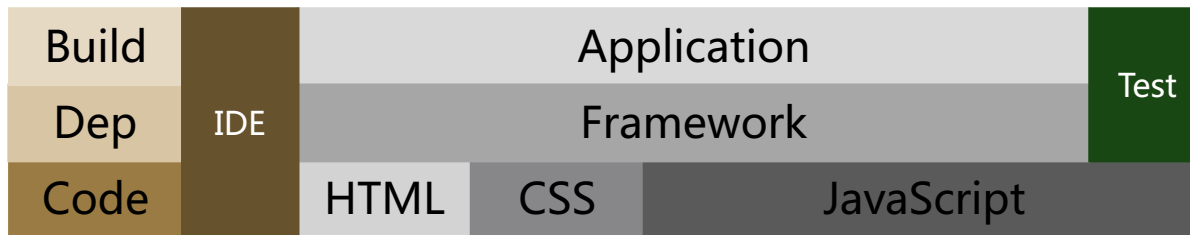
# Best Practice



- "A **best practice** is a method or technique that has been generally accepted as **superior** to **any alternatives** because it produces results that are superior to those achieved by other means or because it has become a **standard way of doing things**."



# Project I





# Code Management



- SVN VS. Git
  - Architecture
- Github
  - BitBucket
- Git
  - workflow



# Build Management



- Gulp VS. Grant





# Package Management



- NPM
- Bower

# Project Management



- Communication
- Documentation
- Schedule
- Monitor

# Homework II



- Git, Git workflow & Github
  - Create a repository
    - Clone, commit, push, pull
    - Tag
    - gitignore
    - Pull request, resolve conflict, rebase, Issue will be practiced in Project II
  - Prepare a markdown
    - Git workflow
      - What, Why, How
    - 2017-10-30

# Project I



- A Github repository of an application' s front-end
  - Cover all the domains except for IDE
  - You can follow a mooc to build the application
    - Courses on Coursera.org
    - Use Github to record the whole process of application development
- Submission
  - Deadline
    - 2017-11-20
  - [sjtuseproj@sjtu.edu.cn](mailto:sjtuseproj@sjtu.edu.cn)
    - The url of your Repository