



***TMUX***  
***SUPERPOWERS***

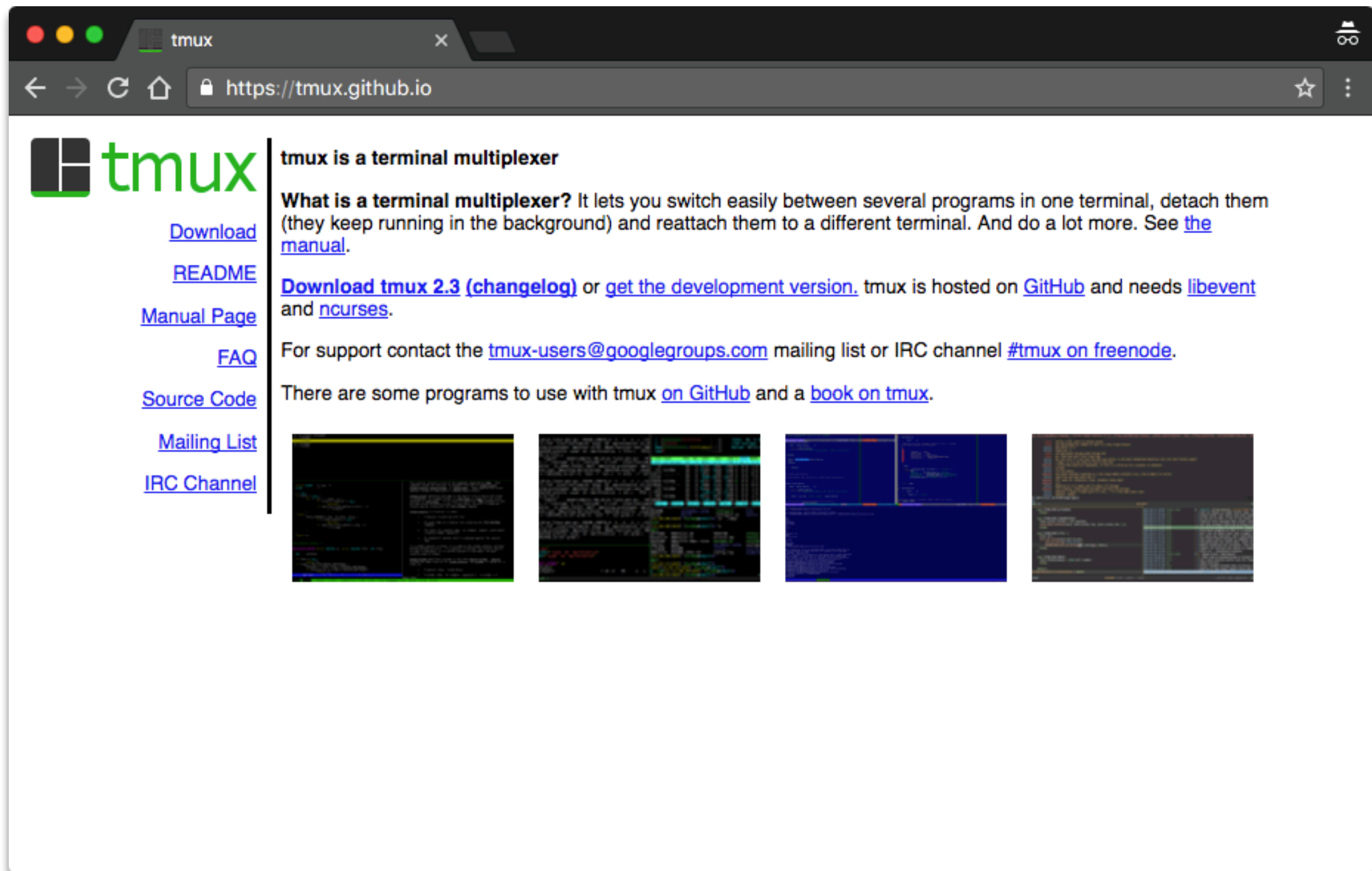
***HOW MANY HAVE USED TMUX?***

***HOW MANY USE TMUX OFTEN?***

***TMUX SUPERPOWERS***

# ***WHAT IS TMUX?***

***TMUX SUPERPOWERS***



***TMUX SUPERPOWERS***

***I ❤️ TMUX!***

***I USE TMUX EVERY DAY.***

***TMUX HELPS ME WORK FASTER, MORE  
EFFECTIVELY.***

***TMUX GIVES ME SUPERPOWERS!***



**=**



***TMUX SUPERPOWERS***

# ***WHAT ARE SUPERPOWERS FOR SOFTWARE ENGINEERS?***

***TMUX SUPERPOWERS***

***DEMO***

***TMUX SUPERPOWERS***

***SUPERPOWERS ARE TOOLS AND  
FEATURES THAT HELP US WORK  
FASTER AND MORE EFFICIENTLY.***

***TMUX SUPERPOWERS***



***TODAY I WANT TO DEMO A FEW OF  
THE TMUX SUPERPOWERS I USE AND  
LOVE THE MOST.***

***TMUX SUPERPOWERS***

***BUT FIRST, A FEW BASICS...***

***TMUX SUPERPOWERS***

***PREFIX KEY COMBO: <CTRL> A***

***WINDOWS***

***PANES***

***SESSIONS***

***TMUX SUPERPOWERS***

***SUPERPOWER #1***

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***CUSTOM IDE***



***TMUX SUPERPOWERS***



***CUSTOM IDE***

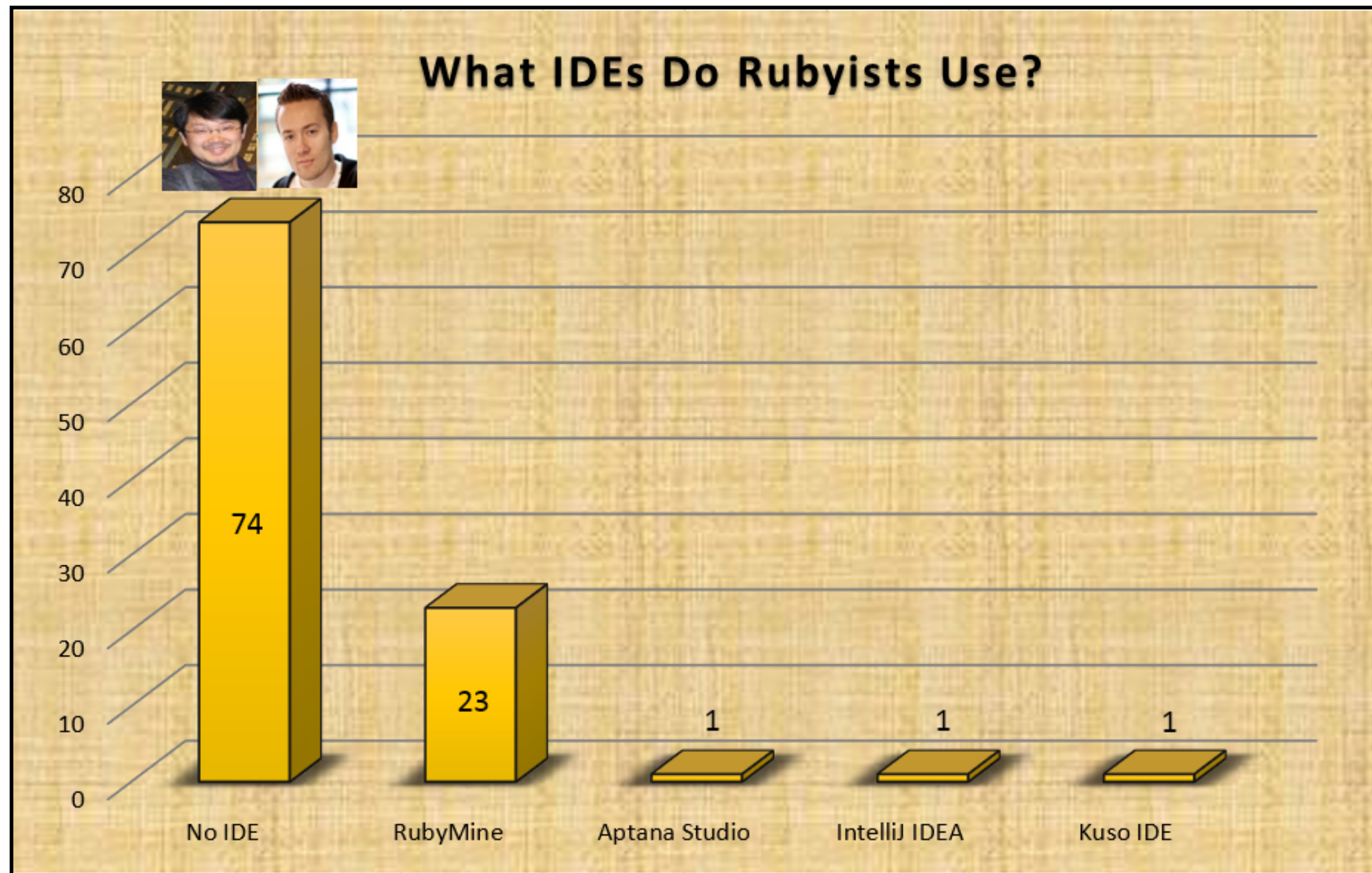
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***DO RUBYISTS USE IDE'S?***

***TMUX SUPERPOWERS***



# ***CUSTOM IDE***

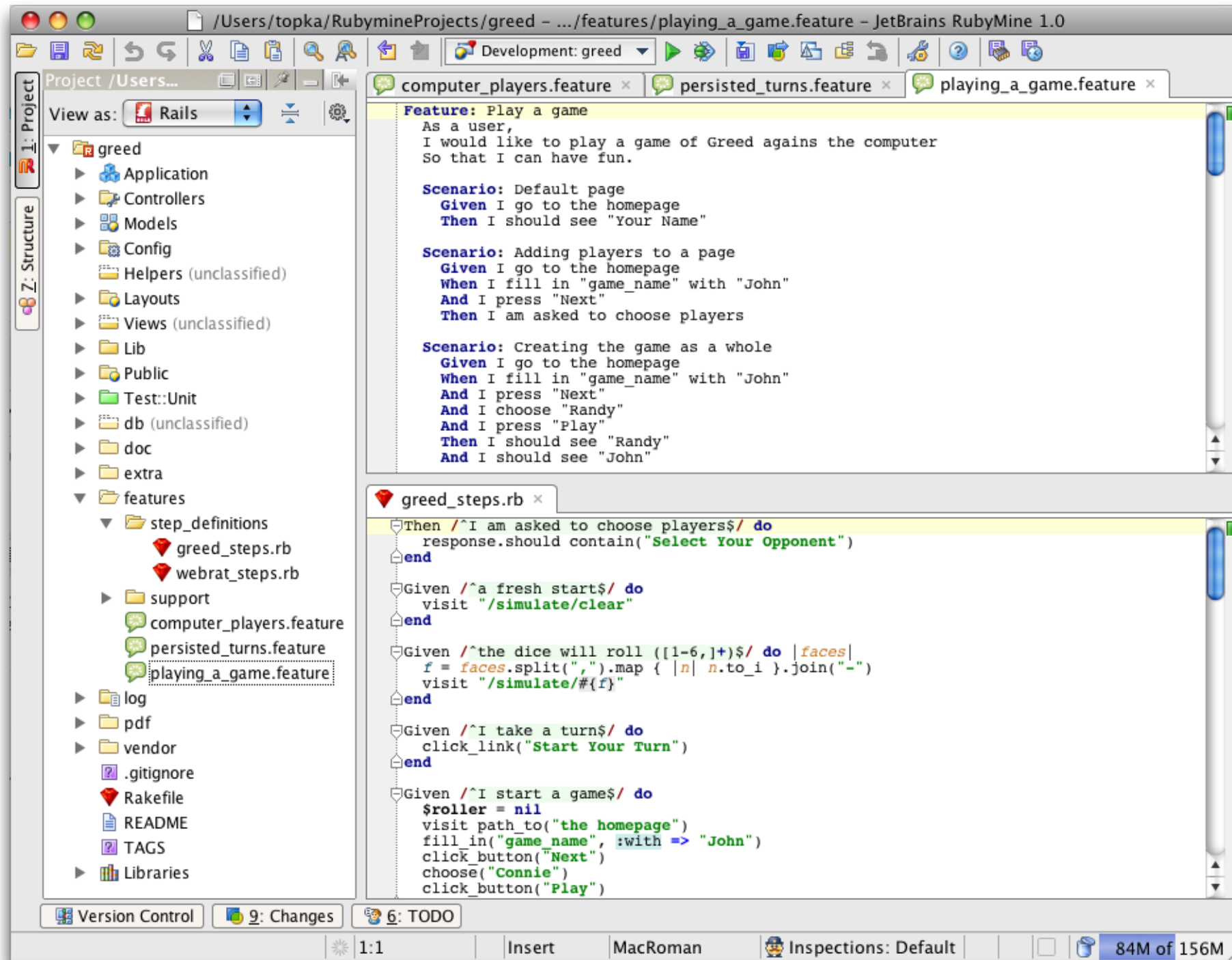


<https://www.sitepoint.com/ides-rubyists-use/>

***TMUX SUPERPOWERS***



# CUSTOM IDE

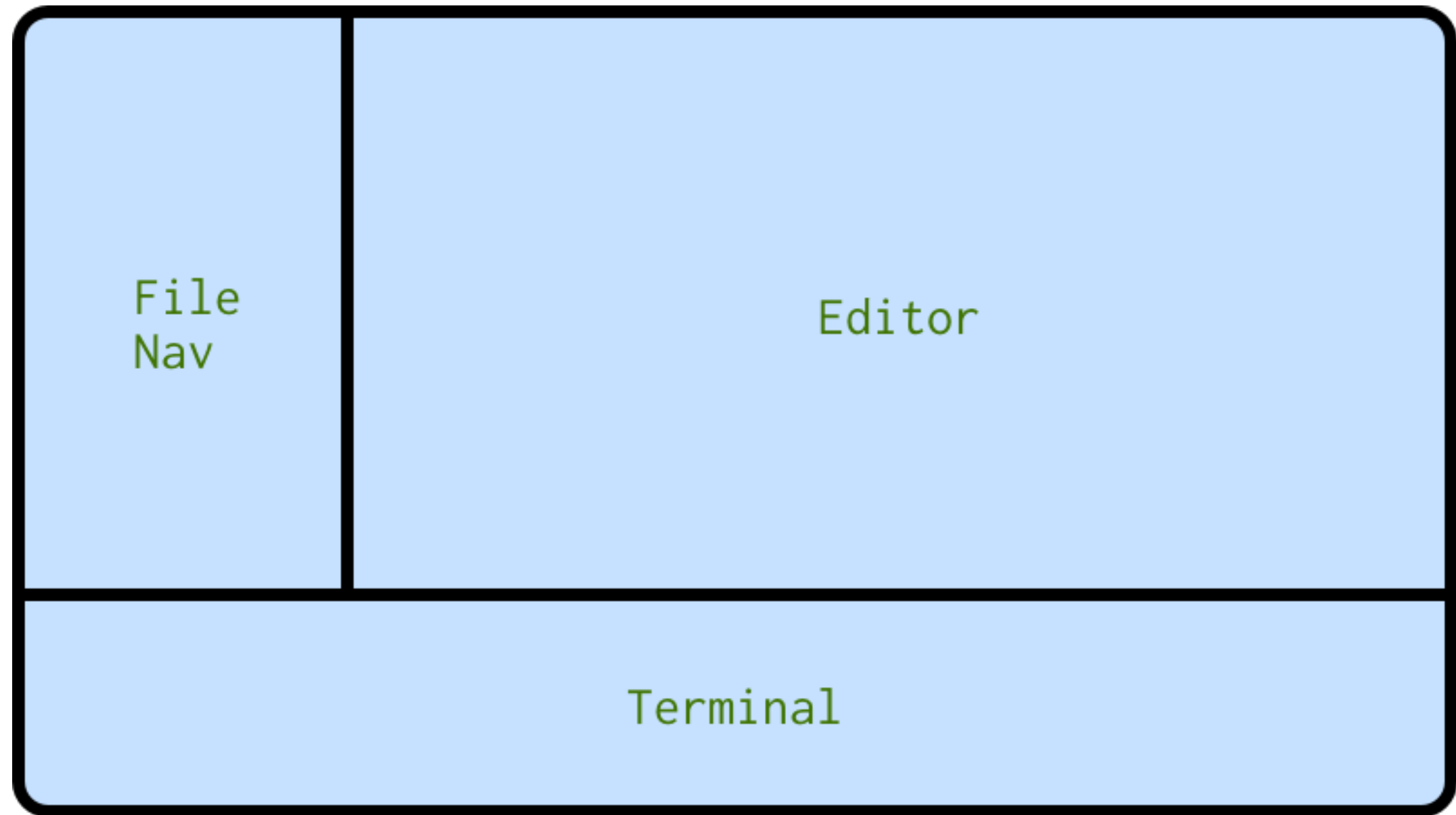


*TMUX SUPERPOWERS*



# ***CUSTOM IDE***

---



***TMUX SUPERPOWERS***





# ***CUSTOM IDE***

---

Editor

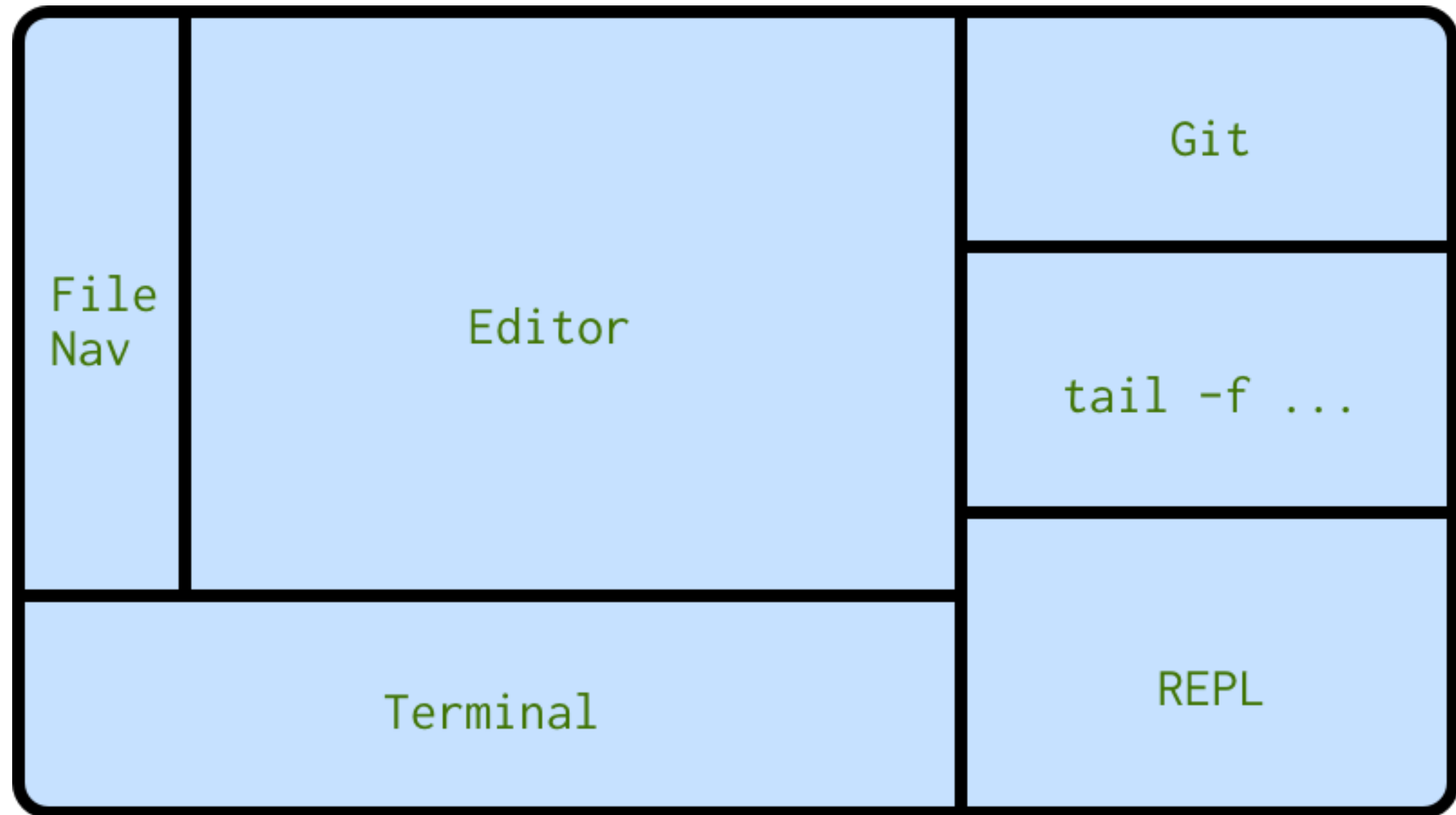
Terminal

***TMUX SUPERPOWERS***



# ***CUSTOM IDE***

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***TMUX SUPERPOWERS***



***CUSTOM IDE***

---

***WITH TMUX, YOU BUILD YOUR***

***IDE TO FIT YOUR NEEDS.***

***"THE SKY'S THE LIMIT."***

***TMUX SUPERPOWERS***



***CUSTOM IDE***

---

***DEMO***

***TMUX SUPERPOWERS***



# ***CUSTOM IDE***

---

## ***TOOLS USED:***

- ☒ ***TMUX***
- ☒ ***VIM***
- ☒ ***TMUXINATOR***

***TMUX SUPERPOWERS***

# ***SUPERPOWER #2***

---

# ***MULTIPLE SESSIONS***



***TMUX SUPERPOWERS***



# ***MULTIPLE SESSIONS***

---

***TMUX RUNS A SERVER/CLIENT  
ARCHITECTURE.***

***TMUX SUPERPOWERS***



# ***MULTIPLE SESSIONS***

---

***YOU CAN RUN MULTIPLE TMUX  
SESSIONS, AND YOU CAN "ATTACH  
TO" AND "DETACH FROM" THOSE  
SESSIONS EASILY.***

***TMUX SUPERPOWERS***





# ***MULTIPLE SESSIONS***

---

## ***BENEFITS?***

- ☒ ***PRESERVE LONG PROCESSES***
- ☒ ***KEEP MULTIPLE PROJECTS OPEN***
- ☒ ***DECOUPLE FROM YOUR  
TERMINAL APPLICATION***



# ***MULTIPLE SESSIONS***

---

## ***DEMO***

***TMUX SUPERPOWERS***



# ***MULTIPLE SESSIONS***

---

## ***TOOLS USED:***

- ☒ ***TMUX***
- ☒ ***TMUXINATOR***
- ☒ ***CUSTOM FUNCTIONS***

# ***SUPERPOWER #3***

---

## ***QUICK PANES***



***TMUX SUPERPOWERS***



# ***QUICK PANES***

---

***NEED TO QUICKLY "POP OPEN" A  
PROGRAM OR PROCESS?***

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# ***QUICK PANES***

---

***FROM ~/.TMUX.CONF***

```
# Quickly view system & process info  
bind-key h split-window -h -p 35 "htop"
```

***TMUX SUPERPOWERS***



***QUICK PANES***

---

***DEMO***

***TMUX SUPERPOWERS***



# ***QUICK PANES***

---

## ***TOOLS USED:***

☒ ***TMUX***

☒ ***HTOP***

☒ ***GITSH***



# ***SUPERPOWER #4***

---

# ***AWESOME TESTS***



***TMUX SUPERPOWERS***



# ***AWESOME TESTS***

---

***WE ALWAYS TEST OUR CODE.***



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# ***AWESOME TESTS***

---

***BUT THERE ARE PAIN POINTS...***

◆ ***TAKE TOO LONG***

◆ ***LOSE FOCUS SWITCHING TO  
TERMINAL***



# ***AWESOME TESTS***

---

***SO SOMETIMES WE NEGLECT  
TESTING!***

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# ***AWESOME TESTS***

---





# ***AWESOME TESTS***

---

***NEVER FEAR.***

***TMUX TO THE RESCUE!***



***TMUX SUPERPOWERS***



# ***AWESOME TESTS***

---

## ***DEMO***

***TMUX SUPERPOWERS***



# ***AWESOME TESTS***

---

## ***TOOLS USED:***

☒ ***TMUX***

☒ ***VIM***

☒ ***VIM-TMUX-RUNNER***



# ***SUPERPOWER #5***

---

***SEND TO REPL***



***TMUX SUPERPOWERS***



***SEND TO REPL***

---

***WHAT IS A REPL?***

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***SEND TO REPL***

---

***READ-EVAL-PRINT-LOOP***

***TMUX SUPERPOWERS***



***SEND TO REPL***

---

***FOR EXAMPLE...***

☒ ***IRB***

☒ ***PRY***

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***SEND TO REPL***

---

***EVER FOUND YOURSELF  
COPYING LINES OF CODE INTO  
IRB TO SEE IF THEY WORK?***

***TMUX SUPERPOWERS***



***SEND TO REPL***

---

***TMUX TO THE RESCUE!***

***TMUX SUPERPOWERS***



***SEND TO REPL***

---

***DEMO***

***TMUX SUPERPOWERS***



# ***SEND TO REPL***

---

## ***TOOLS USED:***

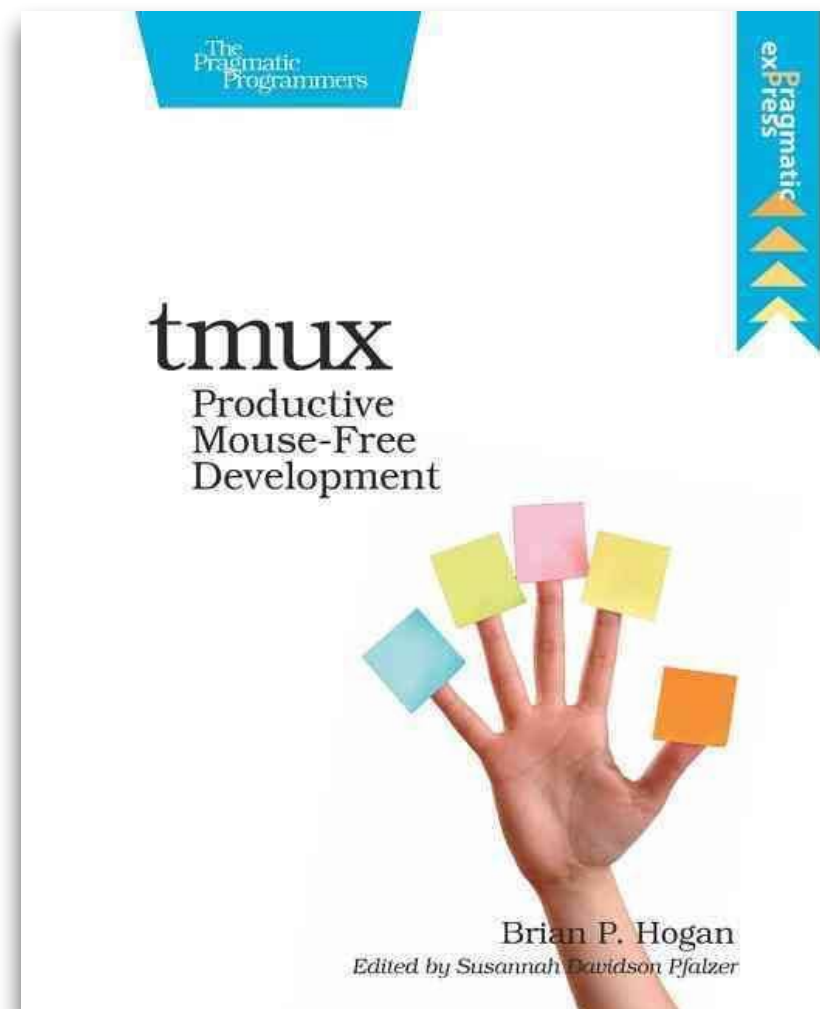
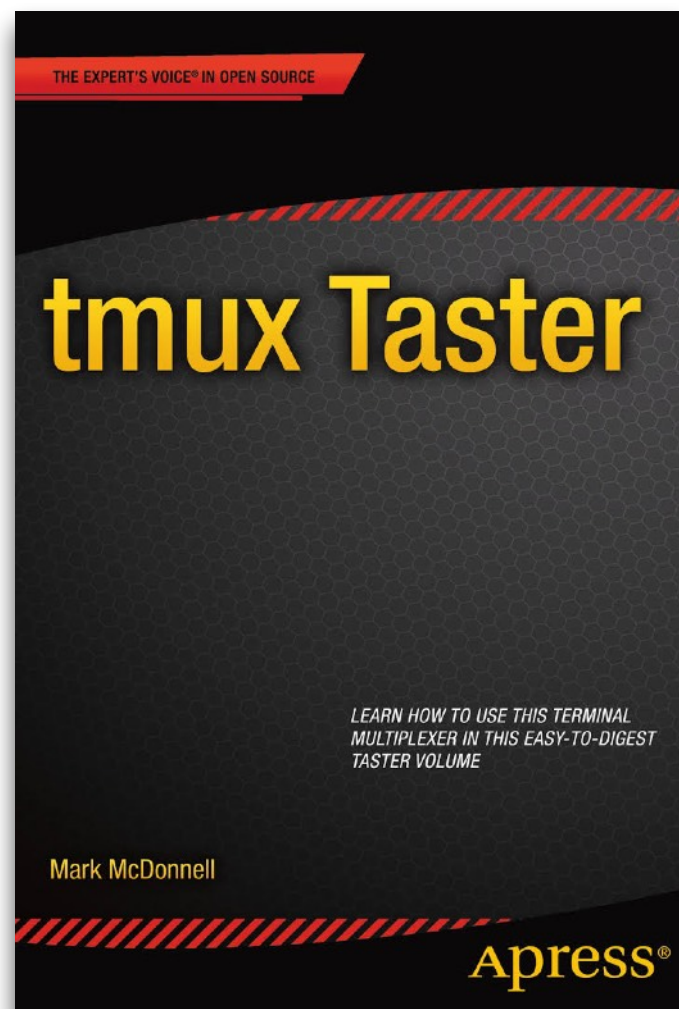
- ☒ ***TMUX***
- ☒ ***VIM***
- ☒ ***VIM-TMUX-RUNNER***
- ☒ ***PRY***



***WHERE TO GO FROM HERE?***

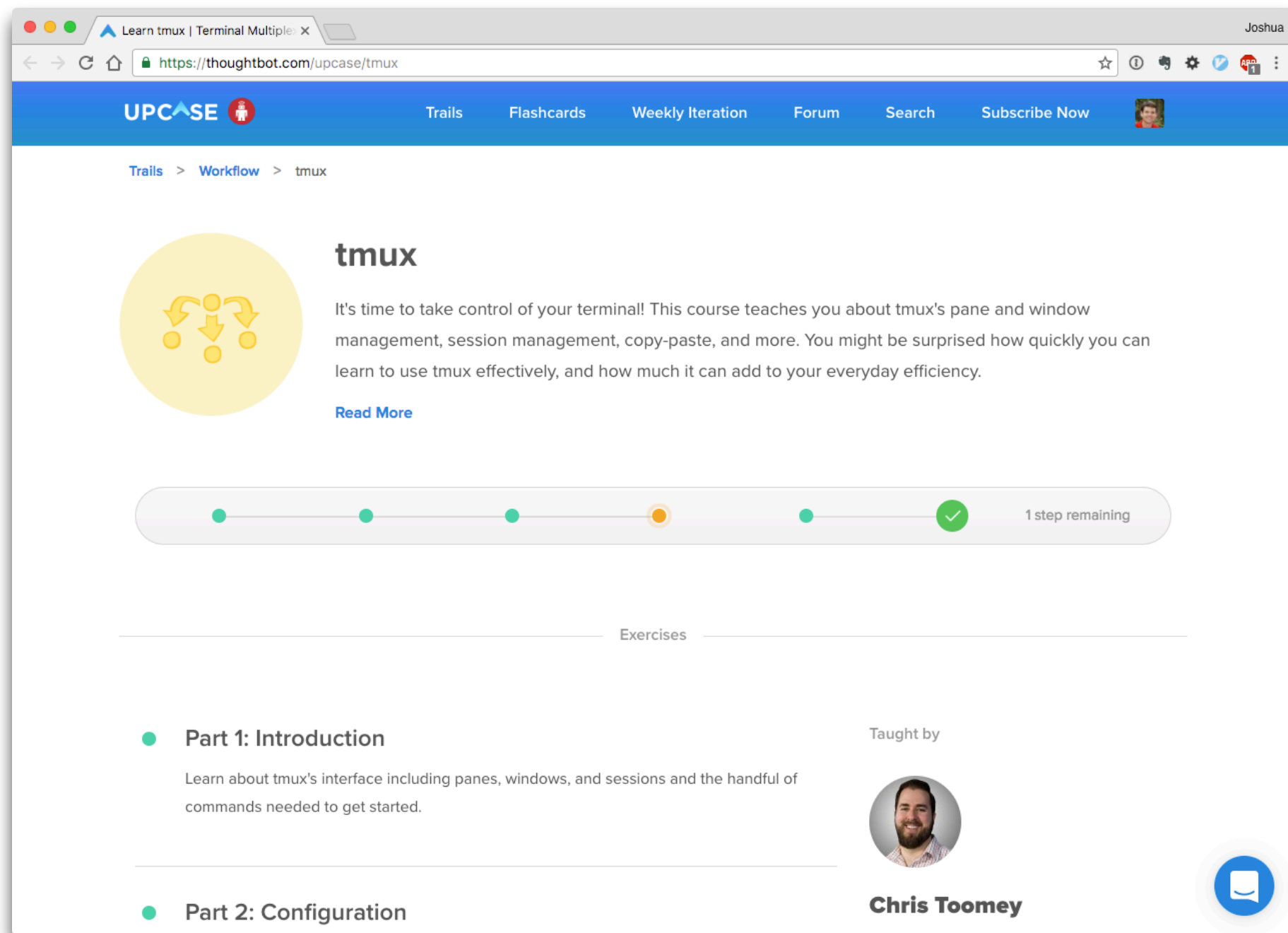
***TMUX SUPERPOWERS***

# ***BOOKS***



***TMUX SUPERPOWERS***

# UPCASE BY THOUGHTBOT



Learn tmux | Terminal Multiple: X

https://thoughtbot.com/upcase/tmux

UPCASE

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Trails > Workflow > tmux

## tmux

It's time to take control of your terminal! This course teaches you about tmux's pane and window management, session management, copy-paste, and more. You might be surprised how quickly you can learn to use tmux effectively, and how much it can add to your everyday efficiency.


[Read More](#)


1 step remaining

### Exercises

- Part 1: Introduction**  
Learn about tmux's interface including panes, windows, and sessions and the handful of commands needed to get started.
- Part 2: Configuration**

Taught by

 **Chris Toomey**



**TMUX SUPERPOWERS**

# ***DOTFILES***

- ▶ <http://jsua.co/dotfiles>
- ▶ <https://github.com/Stratus3D/dotfiles>
- ▶ <https://github.com/Integralist/ProVim>
- ▶ <https://github.com/christoomey/dotfiles>

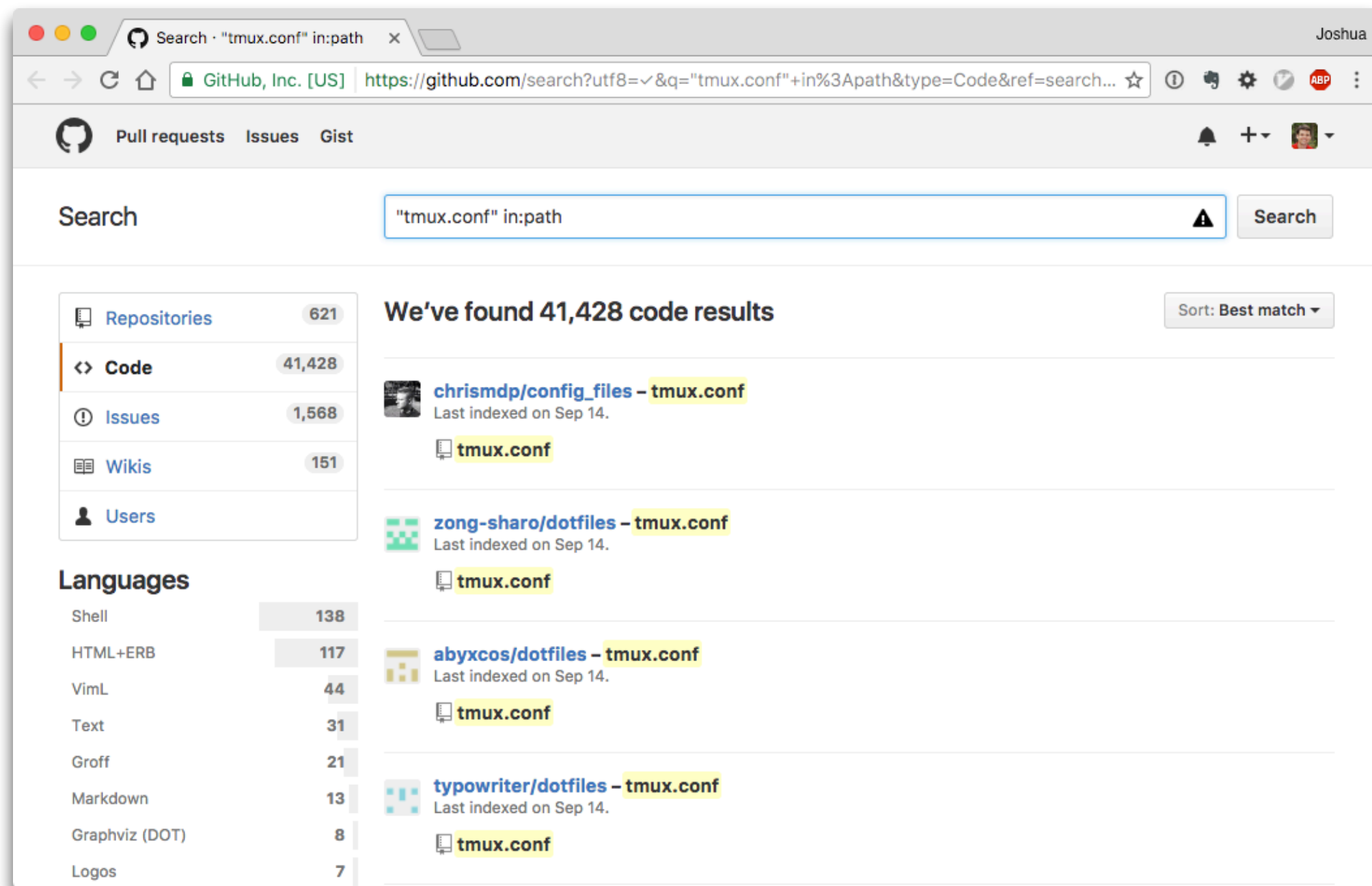
# ***COMMANDS***

```
$ man tmux
```

```
$ tmux list-commands | grep pane
```

```
$ tmux list-keys
```

# ***.TMUX.CONF ON GITHUB***



The screenshot shows a web browser window with the GitHub search interface. The search query is '"tmux.conf" in:path'. The results show 41,428 code results. The left sidebar lists categories: Repositories (621), Code (41,428), Issues (1,568), Wikis (151), and Users. Below this is a 'Languages' section with a bar chart showing the distribution of file types: Shell (138), HTML+ERB (117), VimL (44), Text (31), Groff (21), Markdown (13), Graphviz (DOT) (8), and Logos (7). The main content area displays the top results, each showing a repository name, a 'tmux.conf' file icon, and the text 'Last indexed on Sep 14.'.

Search · "tmux.conf" in:path

GitHub, Inc. [US] [https://github.com/search?utf8=✓&q=\"tmux.conf\"+in%3Apath&type=Code&ref=search...](https://github.com/search?utf8=✓&q=\)

Pull requests Issues Gist

Search "tmux.conf" in:path Search

We've found 41,428 code results Sort: Best match

**Repositories** 621

**Code** 41,428

**Issues** 1,568

**Wikis** 151

**Users**

**Languages**

Shell	138
HTML+ERB	117
VimL	44
Text	31
Groff	21
Markdown	13
Graphviz (DOT)	8
Logos	7

**chrismdp/config\_files - tmux.conf**  
Last indexed on Sep 14.  
tmux.conf

**zong-sharo/dotfiles - tmux.conf**  
Last indexed on Sep 14.  
tmux.conf

**abyxcos/dotfiles - tmux.conf**  
Last indexed on Sep 14.  
tmux.conf

**typewriter/dotfiles - tmux.conf**  
Last indexed on Sep 14.  
tmux.conf

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# ***TMUX TOOLS***

- ▶ **Tmuxinator**

<https://github.com/tmuxinator/tmuxinator>

- ▶ **Vim-Tmux-Runner**

<https://github.com/christoomey/vim-tmux-runner>

- ▶ **Vim-Tmux-Navigator**

<https://github.com/christoomey/vim-tmux-navigator>

- ▶ **Tmux-Resurrect**

<https://github.com/tmux-plugins/tmux-resurrect>

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***THANK YOU FOR LISTENING.***



***QUESTIONS?***

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