ZenHub

INTRODUCTION TO RAMDA

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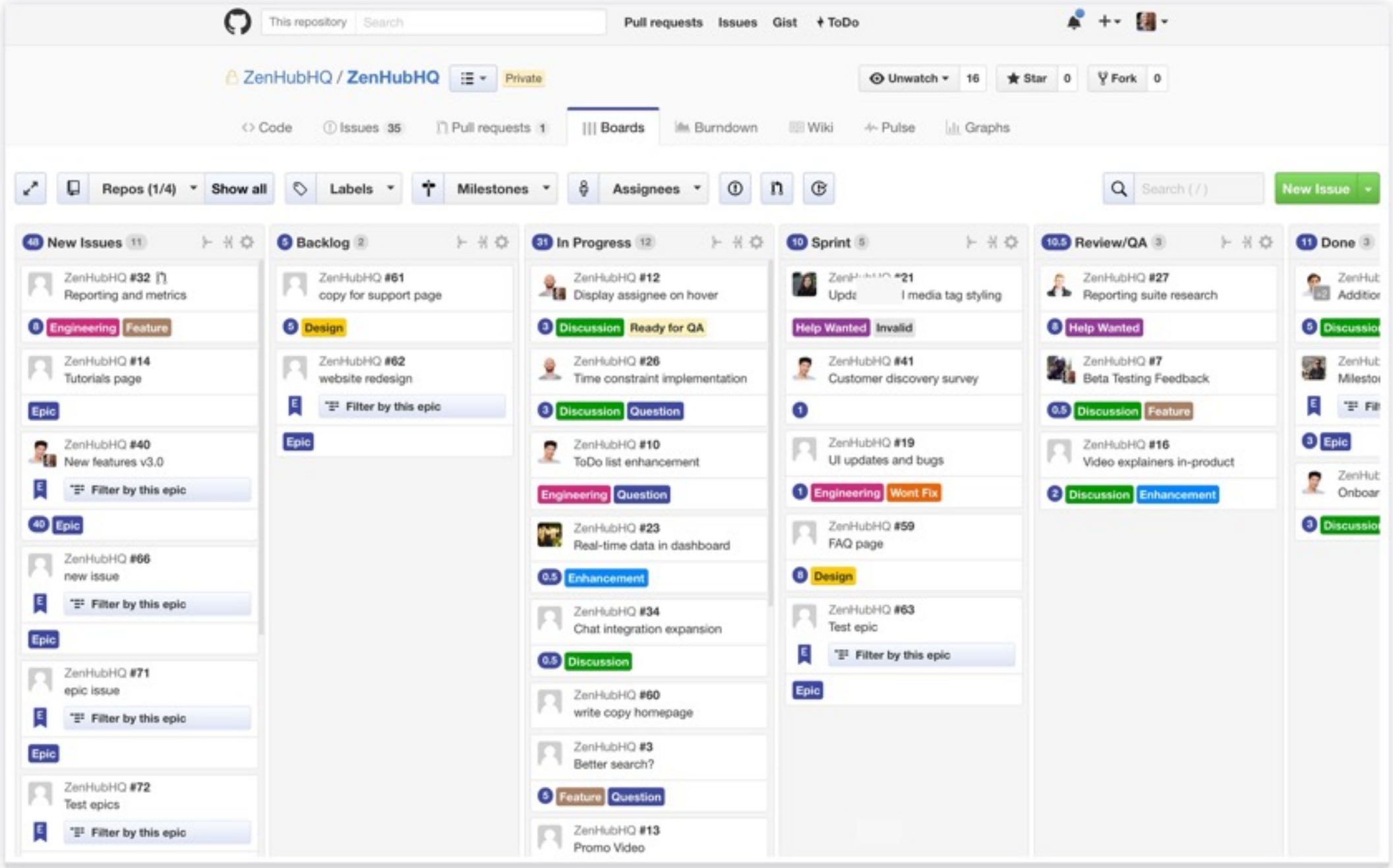
github.com/leggechr/intro-to-ramda

ZenHub


This repository
Search
Pull requests
Issues
Gist
ToDo
ZenHubHQ / ZenHubHQ
Private
Unwatch 16
Star 0
Fork 0
Code
Issues 35
Pull requests 1
Boards
Burndown
Wiki
Pulse
Graphs
Repos (1/4)
Show all
Labels
Milestones
Assignees
Search (/)
New Issue
48 New Issues 11
5 Backlog 2
31 In Progress 12
10 Sprint 5
10.5 Review/QA 3
11 Done 3
ZenHubHQ #32
Reporting and metrics
Engineering
Feature
ZenHubHQ #14
Tutorials page
Epic
ZenHubHQ #40
New features v3.0
Filter by this epic
40 Epic
ZenHubHQ #66
new issue
Filter by this epic
Epic
ZenHubHQ #71
epic issue
Filter by this epic
Epic
ZenHubHQ #72
Test epics
Filter by this epic
ZenHubHQ #61
copy for support page
Design
ZenHubHQ #62
website redesign
Filter by this epic
Epic
ZenHubHQ #12
Display assignee on hover
Discussion
Ready for QA
ZenHubHQ #26
Time constraint implementation
Discussion
Question
ZenHubHQ #10
ToDo list enhancement
Engineering
Question
ZenHubHQ #23
Real-time data in dashboard
0.5
Enhancement
ZenHubHQ #34
Chat integration expansion
0.5
Discussion
ZenHubHQ #60
write copy homepage
ZenHubHQ #3
Better search?
5
Feature
Question
ZenHubHQ #13
Promo Video
Help Wanted
Invalid
ZenHubHQ #41
Customer discovery survey
1
ZenHubHQ #19
UI updates and bugs
1
Engineering
Wont Fix
ZenHubHQ #59
FAQ page
8
Design
ZenHubHQ #63
Test epic
Filter by this epic
Epic
ZenHubHQ #27
Reporting suite research
8
Help Wanted
ZenHubHQ #7
Beta Testing Feedback
0.5
Discussion
Feature
ZenHubHQ #16
Video explainers in-product
2
Discussion
Enhancement
Discussion
3
Epic
3
Discussion

“

A practical functional library for Javascript programmers

-ramdajs.com

github.com/leggechr/intro-to-ramda

FUNCTIONAL PROGRAMMING

- First-class functions
- Immutable data
- Purity

github.com/leggechr/intro-to-ramda

FUNCTIONAL PROGRAMMING

- no side effects

not functional 😰	functional 😄

`var a1 = 0;`
`function increment() {`
`  a1 += 1;`
`}`
	`function increment(a2) {`
	`  return a2 + 1;`
	`}`

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FUNCTIONAL PROGRAMMING

- Pure functions: same input → same output

not pure 😰	pure 😄

`var a1 = 0;`
`function increment() {`
`  a1 += 1;`
`}`
 	
`increment(); // => a1 = 1`
`increment(); // => a1 = 2`
`increment(); // => a1 = 3`
	`function increment(a2) {`
	`  return a2 + 1;`
	`}`
	
	`increment(0); // => 1`
	`increment(0); // => 1`
	`increment(0); // => 1`

WHY RAMDA?

- Simple functions

native JavaScript (ES6) 😰	with Ramda 😄

`var myObj = { id: 1, isOn: false };`
 	
`function enable(obj) {`
`  return Object.assign({}, obj, {`
`  isOn: true`
`  });`
`}`
 	
`var newObj = enable(myObj);`
	`var myObj = { id: 1, isOn: false };`
	
	`var enable = R.assoc('isOn', true);`
	
	`var newObj = enable(myObj);`

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WHY RAMDA?

- Integrates well with React/Redux based applications

native JavaScript (ES6) 😰	with Ramda 😄

`function addToDo(state, action) {`
`  var newTodo = {`
`  text: action.text,`
`  complete: false`
`  };`
 	
`  var todos = [...state.todos, newTodo];`
 	
`  return Object.assign({}, state, {`
`  todos: todos`
`  });`
`}`
	`function addToDo(state, action) {`
	`  var newTodo = {`
	`  text: action.text,`
	`  complete: false`
	`  };`
	
	`  var todos = R.append(newTodo, state.todos);`
	
	`  return R.assoc('todos', todos, state);`
	`}`

github.com/leggechr/intro-to-ramda

WHY RAMDA?

- Clean and concise code

github.com/leggechr/intro-to-ramda

RESOURCES

https://github.com/leggechr/intro-to-ramda

- Mostly Adequate Guide to Functional Programming
- ramdajs.com
- What Ramda Function Should I Use?