Sinatra: Up and Running

Alan Harris and Konstantin Haase

Table of Contents

Prefa	ce	vii
1.	Taking the Stage	
	Characteristics of Sinatra	2
	Is It a Framework?	2
	Does It Implement MVC?	2
	Who's Using It?	2 2 3 3
	What Does a Production Project Look Like?	3
	What's the Catch?	4
	Are These Skills Transferrable?	4
	Installation	4
	Thin	4
	Up and Running	5
	Breaking Down the Syntax	6
	Testing with Telnet	8
	Rock, Paper, Scissors or "The Shape of Things to Come"	10
	Summary	13
2.	Fundamentals	15
	Routing	15
	Hypertext Transfer Protocol	16
	Verbs	16
	Common Route Definition	18
	Many URLs, Similar Behaviors	19
	Routes with Parameters	20
	Routes with Query String Parameters	21
	Routes with Wildcards	21
	The First Sufficient Match Wins	21
	Routes with Regular Expressions	22
	Halting a Request	23
	Passing a Request	23

	Redirecting a Request	24
	Static Files	25
	Views	27
	Inline Templates	27
	External View Files	28
	Passing Data into Views	29
	Filters	30
	Handling Errors	31
	404 Not Found	32
	500 Internal Server Error	32
	Configuration	34
	HTTP Headers	34
	The headers Method	35
	Exploring the request Object	36
	Caching	38
	Setting Headers Manually	38
	Settings Headers via expires	39
	ETags	40
	Sessions	42
	Destroying a Session	43
	Cookies	43
	Attachments	44
	Streaming	45
	Keeping the Connection Open	46
	Finite Streaming	47
	Summary	47
		''
3.	A Peek Behind the Curtain	49
	Application and Delegation	49
	The Inner Self	50
	Where Does get Come From?	51
	Exploring the Implementation	52
	Helpers and Extensions	53
	Creating Sinatra Extensions	54
	Helpers	55
	Combining Helpers and Extensions	58
	Request and Response	58
	Rack	58
	Sinatra Without Sinatra	
	Rack It Up	59 61
	Middleware	61
	Sinatra and Middleware	61
	Dispatching	62
	. 0	62

	Dispatching Redux	63
	Changing Bindings	64
	Summary	66
4.	Modular Applications	67
	Subclassing Sinatra	68
	Running Modular Applications	68
	About Settings	71
	Subclassing Subclasses	73
	Dynamic Subclass Generation	76
	Better Rack Citizenship	78
	Chaining Classes	78
	On Return Values	82
	Using Sinatra as Router	83
	Extensions and Modular Applications	85
	Helpers	85
	Extensions	86
	Summary	87
5.	Hands On: Your Own Blog Engine	89
	Workflow Concept	89
	File-Based Posts	89
	Git for Distribution	90
	Semistatic Pages	91
	The Implementation	92
	Displaying Blog Posts	92
	Git Integration	96
	Glueing Everything Together	99
	Summary	103