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This book makes JavaScript less challenging to learn for newcomers, by offering a modern view that is as consistent as possible. Highlights: Get started quickly, by initially focusing on modern features. Test-driven exercises and quizzes available for most

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chapters (sold separately). Covers all essential features of JavaScript, up to and including ES2019. Optional advanced sections let you dig deeper. No prior knowledge of JavaScript is required, but you should know how to program. This book is ideal for anyone who already

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knows JavaScript and would like to get a broad understanding of Three.js quickly, or for those of you who have a basic grasp of using Three.js but want to really make an impact with your 3D visualizations by learning its advanced features. To apply the recipes in this book you don't need to know

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anything about WebGL;
all you need is some
general knowledge
about JavaScript and
HTML.

jQuery was written to
express, in short-order,
the concepts essential to
intermediate and
advanced jQuery
development. Its
purpose is to instill in
you, the reader,
practices that jQuery

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developers take as common knowledge. Each chapter contains concepts essential to becoming a seasoned jQuery developer. This book is intended for two types of readers. The first is someone who has read introductory material on jQuery and is looking for the next logical step. The second type of reader is a

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JavaScript developer, already versed in another library, now trying to quickly learn jQuery. I crafted this book to be used as my own personal reference point for jQuery concepts. This is exactly the type of book I wish every JavaScript library had available. This updated and expanded second edition of Book

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provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of

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concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

This book constitutes the refereed proceedings of the 13th Portuguese Conference on Artificial Intelligence, EPIA

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2007, held in
Guimarães, Portugal, in
December 2007 as
eleven integrated
workshops. The 58
revised full papers
presented were carefully
reviewed and selected
from a total of 210
submissions. In
accordance with the
eleven constituting
workshops, the papers
are organized in topical

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sections on a broad
range of subjects.

JavaScript for Impatient
Programmers

JavaScript Cookbook

Jquery Succinctly

Knowledge

Management in Theory
and Practice, third
edition

Three.js Cookbook

***Refinement in
sequencing***

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*technologies and
potential of
genomic research
resulted in
meteoric growth
of biological
information such
as sequences of
DNA, RNA and
protein
requiring
databases for
efficient
storage,*

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*management and
retrieval of the
biological
information.*

*Also,
computational
algorithms for
analysis of
these colossal
data became a
vital aspect of
biological
sciences. The
work aims to*

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*show the process
of turning
bioscience
innovation into
companies and
products,
covering the
basic science,
the translation
of science into
technology. Due
to rapid
developments,
there seems to*

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*be no basic
difference
between the
pharmaceutical
industry and the
biotechnological
industry.*

*However,
approved
products in the
pipeline and
renewed public
confidence make
it one of the*

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*most promising
areas of
economic growth
in the near
future. India
offers a huge
market for the
products as well
as cheap
manufacturing
base for export.
The book is a
sincere work of
compilation of*

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*new and recent
advances in the
topic of concern
through various
innovative
researches and
scientific
opinion
therefrom. The
book is
dedicated to the
readers who will
definitely find
it interesting*

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and knowledgeable in carrying out their respective researches in different aspects of applied microbiology and biotechnology. Patent Retrieval addresses the question of how research and

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*technology in
the field of
Information
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assists, or even
changes the
processes of
patent search.
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of work done on
patent data in
relation to
Information
Retrieval in the*

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*last 20 to 25
years.*

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more from
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You Will Learn
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with the core*

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tools Implement
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to troubleshoot
and debug all
your platform
traffic In
Detail
FreeSWITCH is
one of the best
tools around if
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for a modern*

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*method of
managing
communication
protocols
through a range
of different
media. From real-
time browser
communication
with the WebRTC
API to
implementing
VoIP (voice over
internet*

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*protocol), with
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you're in full
control of your
projects. This
book shows you
how to unlock
its full
potential - more
than just a
tutorial, it's
packed with
plenty of tips
and tricks to*

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you. Written by
members of the
team who
actually helped
build
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will guide you
through some of
the newest
features of
version 1.6
including video
transcoding and*

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interacts with
other tools and
APIs, learn how
to tackle common
(and not so
common)
challenges
ranging from
high
availability to
IVR development*

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advanced PBXs.
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functionality
begins with
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find out how and
get your project
up and running
today. Style and
approach Find
out how it
works, then put*

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*your knowledge
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FreeSWITCH guide
has been
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*Want to start
building great
web games with
HTML5 and
JavaScript?
Moving from
Flash or other
game platforms?
Already building
HTML5 games and
want to get
better and
faster at it?
This guide*

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brings together everything you need: expert guidance, sample projects, and working code! Evan Burchard walks you step-by-step through quickly building 10 popular types of games. Each chapter implements a

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game within a well-understood genre; introduces a different free, open source, and easy-to-use HTML5 game engine; and is accompanied with full JavaScript source code listings. Each game recipe uses

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tested and well-proven patterns that address the development challenges unique to that genre, and shows how to use existing tools and engines to build complete substantial game projects in just hours. Need a

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*quick JavaScript
primer? Evan
Burchard
provides that,
too! Coverage
includes •
Mastering an
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game development
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editor,
terminal,*

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console, game
engine, and more*

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development with
external
libraries and
proven patterns*
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Chrome*
- Getting*

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and impress.js •*

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components along
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concepts in
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algorithms that
enable
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building a basic physics engine to creating intelligent moving objects and complex systems, setting the foundation for further experiments in generative design. Subjects covered include forces,

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trigonometry, fractals, cellular automata, self-organization, and genetic algorithms. The book's examples are written in Processing, an open-source language and development

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environment built on top of the Java programming language. On the book's website (<http://www.natureofcode.com>), the examples run in the browser via Processing's JavaScript mode. Get to grips with a

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new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. This book is a practical, step by step tutorial that will get you to use Sencha

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Touch core components quickly and efficiently. Instant Sencha Touch is for hobbyists who want to explore the capabilities of Sencha Touch. No prior knowledge of Sencha Touch is assumed. This

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Express.js The in-
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explained
examples and
tutorials -- over
270 pages with
more than 60
illustrations. Quick
Start The Interface
Tips and Tricks
Tutorials and
Examples Why
Express.js is the
most popular

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Node.js web framework yet. As of this writing (September of 2013), there are no books that are solely dedicated to it. Its official website has bits of insights for advanced Node.js programmers.

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However, I found that many people -- including those who go through HackReactor7 program and come to my Node.js classes at General Assembly and pariSOMA -- are interested in a comprehensive

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resource. The one that would cover all the different components of Express.js work together in a real production-like application. The goal of Express.js Guide is to become such resource. What

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This Book is
Express.js Guide
is a concise book
on one particular
library. This book
contains
Express.js API
3.3.58 description,
the best practices
on code
organization and
patterns, real-

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world examples of web apps. The topics include but not limited to middleware, command-line interface and scaffolding, rendering templates, extracting params from dynamic URLs, parsing

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payloads and cookies, managing authentication with sessions, error handling and prepping apps for production. For more details and for what exactly the book covers, please refer to the Table of Contents.

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What This Book is
Not This book is
not an introduction
to Node.js, nor is it
a book that covers
all aspects of
building a modern
day web
application, e.g.,
websockets,
databases and (of
course) front-end

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development.

Keep in mind that readers also won't find in Express.js Guide a resource for learning programming and/or JavaScript fundamentals. You might want to take a look at Rapid Prototyping with

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JS9 for the introduction to Node.js, MongoDB and front-end development with Backbone.js. In the real-world and especially in Node.js development, due to its modularized philosophy, we

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seldom use just a single framework. In the book, we have tried to stick only to Express.js and leave everything else out as much as possible, without compromising the usefulness of examples.

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Therefore, we intentionally left out some important chunks of web developments, for example databases, authentication and testing. Although these elements are present in tutorials

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and examples,
they're not
explained in detail.
For those
materials, you
could check books
in the Related
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Resources section
at the end of the
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Book is For This

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book is for people
fluent in
programming and
front-end
JavaScript. In
addition, to get the
most benefits,
readers must be
familiar with basic
Node.js concepts
like process and
global, and know

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core modules, including streams, clusters and buffer type. If you're thinking of starting a Node.js app, or of rewriting an existing one, and your weapon of choice is Express.js -- this guide is for you! It

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will answer most of your "how" and "why" questions.

Summary Web Components are a standardized way to build reusable custom elements for web pages and applications using HTML, CSS, and JavaScript. A Web

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Component is well-encapsulated, keeping its internal structure separate from other page elements so they don't collide with the rest of your code. In Web Components in Action you'll learn to design, build,

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and deploy reusable Web Components from scratch. Foreword by Gray Norton. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

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About the
Technology The
right UI can set
your sites and web
applications apart
from the ordinary.
Using the Web
Components API,
you can build
Custom Elements
and then add them
to your pages with

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just a simple
HTML tag. This
standards-based
design approach
gives you
complete control
over the style and
behavior of your
components and
makes them
radically easier to
build, share, and

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reuse between projects. About the Book Web Components in Action teaches you to build and use Web Components from the ground up. You'll start with simple components and component-based

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applications, using JavaScript, HTML, and CSS. Then, you'll customize them and apply best design practices to maximize reusability.

Through hands-on projects, you'll learn to build

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production-ready
Web Components
for any project,
including color
pickers, advanced
applications using
3D models, mixed
reality, and
machine learning.
What's inside
Creating reusable
Custom Elements

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without a
framework Using
the Shadow DOM
for ultimate
component
encapsulation
Leveraging newer
JS features to
organize and
reuse code
Fallback strategies
for using Web

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Components on
older browsers
About the Reader
Written for web
developers
experienced with
HTML, CSS, and
JavaScript. About
the Author Ben
Farrell is a Senior
Experience
Developer at

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Adobe working on
the Adobe Design
Prototyping Team.
Table of Contents
PART 1 - FIRST
STEPS The
framework without
a framework Your
first Web
Component
Making your
component

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reuseable The
component
lifecycle

Instrumenting a
better web app
through modules

PART 2 - WAYS
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YOUR

COMPONENT
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Markup Managed

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Shadow CSS
Shadow CSS
rough edges PART
3 - PUTTING
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COMPONENTS
TOGETHER A real-
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knowledge at risk;
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learned and best
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Develop Games
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**Data Integration in
the Life Sciences
Presentation
tools such as
PowerPoint were
initially
created to
simulate
physical slides
and have
inherited a lot
of their
limitations. In
*this***

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dissertation we identify the shortcomings and unmet user needs in presentation software by means of literature study, observations, a survey and the programmatic analysis of over 12000 PowerPoint

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documents. The results indicate that user needs are slowly evolving while existing software has hardly changed over the last 30 years. We motivate the need to rethink the concept of a presentation and

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*we provide
conceptual and
technical
foundations that
can enable
interoperable
and well-
integrated
solutions for
the identified
shortcomings.
The resulting
MindXpres
platform*

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*consists of a
new conceptual
framework,
content model,
information
system and
presentation
engine. We
present
MindXpres as a
presentation
platform that
enables
researchers and*

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*developers to
build innovative
presentation
solutions that
cannot be
implemented in
the existing
tools. We
further
demonstrate the
flexibility of
the MindXpres
platform by
discussing a*

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*wide range of
proof-of-concept
plug-in
solutions for
the identified
shortcomings and
unmet user
needs.*

*Author Scott
Murray teaches
you the
fundamental
concepts and
methods of D3, a*

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***JavaScript
library that
lets you express
data visually in
a web browser.
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proceedings of
the 4th
International
Symposium on
Languages,
Applications and***

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***Technologies,
SLATE 2015, held
in Madrid,
Spain, in June
2015. The 17
revised full
papers presented
were carefully
reviewed and
selected from 57
submissions. The
papers are
organized in
topical sections***

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*on human-human
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computer
languages; compu
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applications for
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HTML5 and
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such as CSS3 and
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standard. With
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you'll learn how
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***2012, Oxford,
UK, August 30 -
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13th Portuguese
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2007,
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addresses
popular
mistakes
often made in
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