Web Audio API

Boris Smus



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Web Audio API Boris Smus, 2013-03-11 Go beyond HTML5 s Audio tag and boost the audio capabilities of your web application with the Web Audio API Packed with lots of code examples crisp descriptions and useful illustrations this concise guide shows you how to use this JavaScript API to make the sounds and music of your games and interactive applications come alive You need little or no digital audio expertise to get started Author Boris Smus introduces you to digital audio concepts then shows you how the Web Audio API solves specific application audio problems If you re an experienced JavaScript programmer you ll not only learn how to synthesize and process digital audio you ll also explore audio analysis and visualization with this API Learn Web Audio API including audio graphs and the audio nodes Provide guick feedback to user actions by scheduling sounds with the API s precise timing model Control gain volume and loudness and dive into clipping and crossfading Understand pitch and frequency use tools to manipulate soundforms directly with JavaScript Generate synthetic sound effects and learn how to spatialize sound in 3D space Use Web Audio API with the Audio tag getUserMedia and the Page Visibility API Web Audio API Boris Smus, 2013 Go beyond HTML5 s Audio tag and boost the audio capabilities of your web application with the Web Audio API Packed with lots of code examples crisp descriptions and useful illustrations this concise guide shows you how to use this JavaScript API to make the sounds and music of your games and interactive applications come alive You need little or no digital audio expertise to get started Author Boris Smus introduces you to digital audio concepts then shows you how the Web Audio API solves specific application audio problems If you re an experienced JavaScript programmer you ll not only learn how to synthesize and process digital audio you ll also explore audio analysis and visualization with this API Learn Web Audio API including audio graphs and the audio nodes Provide quick feedback to user actions by scheduling sounds with the API s precise timing model Control gain volume and loudness and dive into clipping and crossfading Understand pitch and frequency use tools to manipulate soundforms directly with JavaScript Generate synthetic sound effects and learn how to spatialize sound in 3D space Use Web Audio API with the Audio PHP skills to write all types of software CLI scripts desktop software network servers and more This book gives you the tools techniques and background necessary to write just about any type of software you can think of using the PHP you know PHP Beyond the Web shows you how to take your knowledge of PHP development for the web and utilise it with a much wider range of software systems Enjoy the benefits of PHP after reading this book save money by redeploying existing skills not learning new ones save time and increase productivity by using a high level language and make money by providing your clients a full stack service not just websites PHP is no longer just a great scripting language for websites it s now a powerful general purpose programming language Expand your use of PHP into your back end systems server software data processing services desktop interfaces and more What You ll Learn Write interactive shell scripts Work with system daemons Write

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Table of Contents Web Audio Api Boris Smus

- 1. Understanding the eBook Web Audio Api Boris Smus
 - The Rise of Digital Reading Web Audio Api Boris Smus
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Web Audio Api Boris Smus
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Web Audio Api Boris Smus
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Web Audio Api Boris Smus
 - Personalized Recommendations
 - Web Audio Api Boris Smus User Reviews and Ratings
 - Web Audio Api Boris Smus and Bestseller Lists
- 5. Accessing Web Audio Api Boris Smus Free and Paid eBooks
 - Web Audio Api Boris Smus Public Domain eBooks
 - Web Audio Api Boris Smus eBook Subscription Services
 - Web Audio Api Boris Smus Budget-Friendly Options

- 6. Navigating Web Audio Api Boris Smus eBook Formats
 - o ePub, PDF, MOBI, and More
 - Web Audio Api Boris Smus Compatibility with Devices
 - Web Audio Api Boris Smus Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Web Audio Api Boris Smus
 - Highlighting and Note-Taking Web Audio Api Boris Smus
 - o Interactive Elements Web Audio Api Boris Smus
- 8. Staying Engaged with Web Audio Api Boris Smus
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - $\circ\,$ Following Authors and Publishers Web Audio Api Boris Smus
- 9. Balancing eBooks and Physical Books Web Audio Api Boris Smus
 - $\circ\,$ Benefits of a Digital Library
 - o Creating a Diverse Reading Collection Web Audio Api Boris Smus
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Web Audio Api Boris Smus
 - Setting Reading Goals Web Audio Api Boris Smus
 - ∘ Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Web Audio Api Boris Smus
 - Fact-Checking eBook Content of Web Audio Api Boris Smus
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

• Interactive and Gamified eBooks

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