# **PHP Web Services**

#### 1 HTTP

Clients and Servers

Making HTTP Requests

Curl

Browser Tools

PHP

## 2 HTTP Verbs

Making GET Requests

Making POST Requests

Using Other HTTP Verbs

### 3 Headers

Request and Response Headers

Common HTTP Headers

User-Agent

Headers for Content Negotiation

Securing Requests with the Authorization Header

Custom Headers

## 4 Cookies

Cookie Mechanics

Working with Cookies in PHP

### 5 JSON

When to Choose JSON

Handling JSON with PHP

JSON in Existing APIs

### 6 XML

When to Choose XML

XML in PHP

XML in Existing APIs

## 7 RPC and SOAP Services

**RPC** 

**SOAP** 

WSDL

PHP SOAP Client

PHP SOAP Server

Generating a WSDL File from PHP

PHP Client and Server with WSDL

### 8 REST

RESTful URLs Resource Structure and Hypermedia Data and Media Types HTTP Features in REST Create Resources Read Records Update Records Delete Records Additional Headers in RESTful Services **Authorization Headers** Caching Headers RESTful versus Useful 9 Debugging Web Services Debug Output Logging Debugging from Outside Your Application Wireshark

## 10 Making Service Design Decisions

Service Type Decisions

Finding the Tool for the Job

Charles Proxy

Consider Data Formats

Customizable Experiences

Pick Your Defaults

## 11 Building a Robust Service

Consistency Is Key

Consistent and Meaningful Naming

Common Validation Rules

Predictable Structures

Making Design Decisions for Robustness

## 12 Error Handling in APIs

**Output Format** 

Meaningful Error Messages

What to Do When You See Errors

### 13 Documentation

Overview Documentation

**API** Documentation

Interactive Documentation

Tutorials and the Wider Ecosystem