

# HTML & CGI

Everything  
you need to  
master Web  
development!



CD-ROM includes  
powerful Web development  
tools, source code,  
templates, and graphics

*John December and Mark Ginsburg*

- Understand the Web development process—planning, analysis, design, implementation, and maintenance
- Learn to use tools like HTML, VRML, and Java to create enticing Web content
- Master advanced CGI gateway programming techniques with C, Perl, and REXX



# UNLEASHED

**DOCKET**  
ALARM

Find authenticated court documents without watermarks at [docketalarm.com](http://docketalarm.com).

## Unleash the power of HTML & CGI!

- Learn the thought process and planning involved with Web site design
- Master advanced HTML, forms, multi-media, and image maps
- Learn gateway programming techniques with C, Perl, and REXX
- Explore future technologies like VRML and Java
- Get full coverage of planning, analysis, design, HTML implementation, and gateway programming
- Study real-world applications including a Web coloring book and hypertext news interface

Written by a team of experts, *HTML & CGI Unleashed* is your complete guide to professional Web content development. Every phase and tool of the development process is covered, as well as every environment.

**John December** is co-author of the best-selling book, *World Wide Web Unleashed* and publishes widely used and frequently accessed World Wide Web-based documents and publications on the Internet and Web.

**Mark Ginsburg** is responsible for the development and daily operation of New York University's EDGAR Web server, which disseminates publicly traded corporate filings.

**And Others**—*HTML & CGI Unleashed* includes several contributed chapters written by experts in key Web development fields.



**PC and Macintosh compatible CD-ROM includes:**

HTML examples in the book

• • •

CGI scripts that you can use for forms, guestbooks, searching, and more!

• • •

Web development tools such as HTML editors, graphics, and Internet search and retrieval applications



ISBN 0-672-30745-6




9 0000

9 780672 307454



\$49.99 USA

 CATEGORY Communications/Online-Internet

**DOCKET  
ALARM**

Find authenticated court documents without watermarks at [docketalarm.com](http://docketalarm.com).



# HTML and CGI

# UNLEASHED

*John December and Mark Ginsburg*



*For my grandparents, Isabelle and Joseph December, and Aili and Arthur Hill.*

## Copyright © 1995 by Sams.net Publishing

FIRST EDITION

All rights reserved. No part of this book shall be reproduced, stored in a retrieval system, or transmitted by any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission from the publisher. No patent liability is assumed with respect to the use of the information contained herein. Although every precaution has been taken in the preparation of this book, the publisher and author assume no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein. For information, address Sams.net Publishing, 201 W. 103rd St., Indianapolis, IN 46290.

International Standard Book Number: 0-672-30745-6

Library of Congress Catalog Card Number: 95-69417

98 97 96 95                    4 3 2 1

Interpretation of the printing code: the rightmost double-digit number is the year of the book's printing; the rightmost single digit, the number of the book's printing. For example, a printing code of 95-1 shows that the first printing of the book occurred in 1995.

*Composed in AGaramond, Futura, and MCPdigital by Macmillan Computer Publishing*

*Printed in the United States of America*

## Trademarks

All terms mentioned in this book that are known to be trademarks or service marks have been appropriately capitalized. Sams.net Publishing cannot attest to the accuracy of this information. Use of a term in this book should not be regarded as affecting the validity of any trademark or service mark.

<b>President, Sams Publishing</b>	<i>Richard K. Swadley</i>
<b>Publisher, Sams.net Publishing</b>	<i>George Bond</i>
<b>Managing Editor</b>	<i>Cindy Morrow</i>
<b>Marketing Manager</b>	<i>John Pierce</i>

### Acquisitions Editor

*Mark Taber*

### Development Editor

*Dean Miller*

### Software Development Specialist

*Steve Flatt*

### Production Editor

*Katharine Stuart Ewing*

### Copy Editors

*Susan Christophersen  
Mitzi Foster Gianokos  
Chuck Hutchinson*

### Technical Reviewer

*Alan Richmond*

### Editorial Coordinator

*Bill Whitmer*

### Technical Edit Coordinator

*Lynette Quinn*

### Formatter

*Frank Sinclair*

### Editorial Assistant

*Carol Ackerman*

### Cover Designer

*Jason Grisham*

### Book Designer

*Alyssa Yesh*

### Production Team Supervisor

*Brad Chinn*

### Production

*Carol Bowers, Mona Brown,  
Terrie Deemer, Cheryl  
Dietsch, Michael Dietsch,  
Greg Eldred, Michael Henry,  
Ayanna Lacey, Kevin Laseau,  
Paula Lowell, Steph Mineart,*

19

# Principles of Gateway Programming

# 19

by  
*Mark Ginsburg*

## IN THIS CHAPTER

- Transmission Control Protocol—Internet Protocol (TCP-IP) **374**
- Why Do We Need HTTP? **376**
- A Closer Look at the Hypertext Transport Protocol (HTTP) **377**
- What Is the Common Gateway Interface? **382**
- The Flow of Data Using the Common Gateway Interface **382**
- A Brief Introduction to Data Passing and Methods **385**
- CGI: An Expanding Horizon **388**
- Typical Hardware and Server Software Platforms **388**

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.