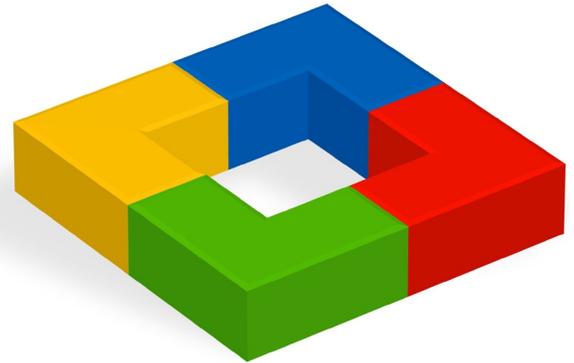# ⊙ CodeCharge Studio™

# The most powerful way to develop Web applications!

*CodeCharge reduced the time it took to develop applications from months to weeks! My latest site is over 56,000 lines of code with less than 5% of it hand-coded!*
—Dan Safar, Insight Consulting Group

*CodeCharge has enabled us to deliver eye-popping database-driven Web sites in a fraction of the time other tools take.*
—Frank Rocco

*I have intermediate skill in ColdFusion and SQL, entry-level skill in PHP, and almost no skill with ASP, yet I have been able to generate successfully applications in all three languages with ease.*
—Kelly D. Carter

*I have had compliments from my peers on how neat and readable my code is. Little do they know, CodeCharge did it all for me. Shhh!*
—D.B.



CodeCharge Studio–
Live Page view



Code View    HTML View

*CodeCharge Studio is a comprehensive Integrated Development Environment (IDE) with the power of code generation.*

*Use the integrated editors to design pages visually, edit code, edit HTML and view your site with live data.*

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Whether you're developing data-driven interactive Web sites or enterprise Internet and Intranet systems, CodeCharge Studio provides the fastest way to build your applications.

## Powerful Web RAD tool

CodeCharge Studio incorporates a powerful code generation engine wrapped in a full-featured IDE. You simply specify your application's user interactions, logic and data sources through intuitive point-and-click wizards, and CodeCharge automatically generates HTML pages and clean, customizable, industrial strength code. CodeCharge works with all databases and supports all major server technologies: ASP.NET (C# & VB), ASP (VBScript), Java (JSP or Servlets), ColdFusion 4.0, PHP and Perl.
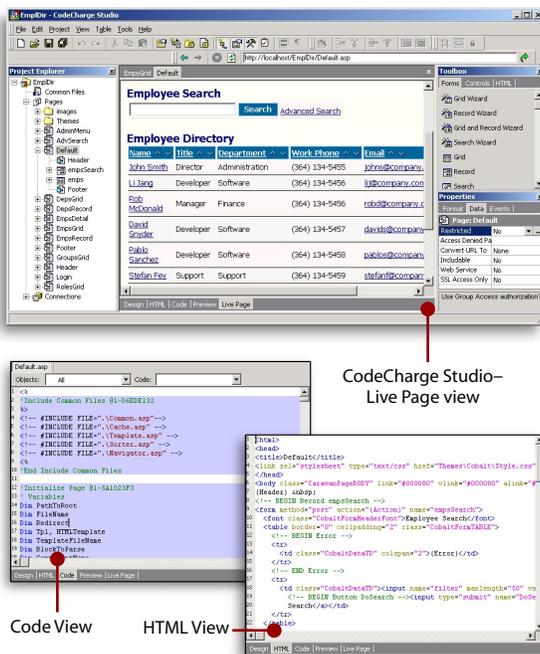
## Code generation sets CodeCharge apart

CodeCharge is the first programming tool that employs a code-generation engine to automatically create database-driven Web applications. Code generation delivers:

- **Dramatically reduced development times**
  Our customers consistently say that their development time has been cut to a fraction of the time that they spent before using CodeCharge.

- **Reduced learning curve**
  Our customers, whether seasoned professionals who have created enterprise applications or database programmers new to the Web, now tackle more complex projects and take on programming projects in languages and environments that they could not before using CodeCharge.

- **Awesome, bug-free code**
  How good can computer-generated code be? Simply awesome. We entered CodeCharge generated code into a coding contest and won! Furthermore, CodeCharge separates code from HTML, delivering pages that are easier to manage and improving workflow.
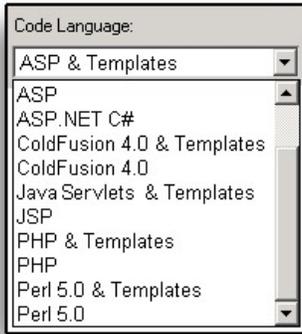
## Add CodeCharge to your development environment

CodeCharge Studio lets you work the way you want: once your code is generated, you can customize it using CodeCharge Studio's feature-rich integrated HTML and code editors. Or use the HTML authoring tools, code editors or IDEs you are familiar with.

*CodeCharge Studio supports all major server languages and technologies.*

## CodeCharge lets you focus on the solution

The largest risk in any programming project is the unknown—the on-the-job learning of new languages, new environments and debugging. Code generation allows developers to program the interaction and application logic, while freeing them from the peculiarities of language and deployment environments.

## Get your answers quickly

CodeCharge Studio comes with extensive learning aids and support to get you the answers you need quickly and easily. CodeCharge includes several pre-built real-world applications that you can learn from and modify, extensive in-program help, 24-hour online email support boards and an active online community (www.gotocode.com) where you can share answers with other CodeCharge users.

*CodeCharge allows me to focus on delivering solutions for my customers, instead of code. The support intranet I built couldn't have been done with any other tool in anywhere close to the same time frame. CodeCharge has proved invaluable!*
*—Jim Nicolis*

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### INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)

**Integrated editors**
*Visual page designer*—to design pages graphically.

*HTML editor*—to edit your HTML & JavaScript with color syntax coding.

*Code editor*—with auto-indent and color syntax coding.

*Page preview*—for local viewing of templates.

*Live data viewer*—for instantaneous viewing of pages with live data locally or on your server.

*Diagram Editor*—for visual site documentation.

**Project navigation**
*Project Explorer*—provides a comprehensive view of all project pages, code, included files and media assets.

*Code Explorer*—lists each object on the page and provides instant access to related code.

**Precision controls**
Property inspector provides precise control over the properties of every page and page element:

*Format*—to set format and styles.

*Data*—to control data sources and security.

*Events*—to program events and insert custom actions.

**Drag-and-drop objects**
Drag-and-drop objects allow you to visually create pages in the Designer that include:

*HTML Elements*—for all HTML tags and objects.

*Controls*—to add data-aware labels, links and navigation.

*Components*—to add sophisticated data-driven groups of integrated controls such as grids.

**HTML editor integration**
CodeCharge Studio includes special integration features to work seamlessly with your favorite HTML editors.

*Microsoft® FrontPage®*—For developers who use Microsoft FrontPage, the CodeCharge FrontPage add-in provides CodeCharge Studio features via menus and palettes from within FrontPage.

*Macromedia® Dreamweaver®, Adobe® GoLive®, NetObjects® Fusion and other HTML editors*— Use virtually any program as your HTML editor in CodeCharge Studio. Set that program as your primary HTML editor CodeCharge will seamless use the program for HTML editing.

### LANGUAGE, SERVER AND DATABASE SUPPORT

**Languages**
Supports ASP.NET (C# & VB), ASP/VBScript, JSP, Java Servlets, ColdFusion 4.0, PHP 4.0 and Perl 5.0.

**Application servers**
Supports industry-standard servers including Apache, Microsoft IIS, Macromedia ColdFusion, IBM WebSphere, BEA WebLogic and others on UNIX, Windows and Mac.

*Site publisher*—publishes the project to the sever with a single click.

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**Databases**
*Data Source wizard*—speeds connectivity to virtually any database including: Microsoft SQL Server, Oracle, DB2, MySQL, and Microsoft Access.

Supports access to multiple databases simultaneously.

*Visual query builder* creates SQL queries without coding.

### PRODUCTIVITY FEATURES

**Powerful wizards**
CodeCharge Studio's sophisticated component and application wizards automate the most common application interactions with a simple point-and-click interface:

*Application Builder*—creates a multi-page application supporting user queries and administrator updates based on your database structure.

*Component Builders*—generate sophisticated search, grid, login/logout, record update and index/directory components, and pages automatically.

**Code generation**
CodeCharge Studio generates your code on the fly using the CodeCharge code generation engine. The code is architected according to industry-wide best practices, easily extensible, and highly reliable. The engine automatically separates HTML pages from code logic, improving workflow and isolating changes to design, programming and deployment.

Sites are faster to develop and easier to maintain because designers and programmers can focus on their respective responsibilities without affecting each other.

**Security management**
CodeCharge Studio's integrated security management simplifies multi-level security.

You define the privileges—Full, Read, Insert, Update or Delete—for each security group or user, and CodeCharge automatically includes the appropriate authentication code to link username and passwords to security level and privileges.

**Jumpstart solutions**
CodeCharge Studio includes several pre-built fully functional applications so you can see real CodeCharge-generated solutions in action. Copy and paste the code into your application or study how the experts did it.

And if you have questions, go to *www.gotocode.com*, the CodeCharge developer community site to get answers and pointers. Or go to *support.codecharge.com* for the latest bulletins, product updates or to submit email support requests.

**Customizable themes**
CodeCharge Studio includes over 35 customizable themes using CSS or HTML tags so you can generate professionally designed sites or support any corporate presentation standard.

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