

# ADVANCED USER INTERFACE DESIGN FOR GUI AND WEB 2.0 APPLICATIONS

## What You Will Learn:

- Learn Complex UI Design Techniques
  - Learn interaction modeling techniques
  - Create and implement Visual Design Patterns
- ... and more

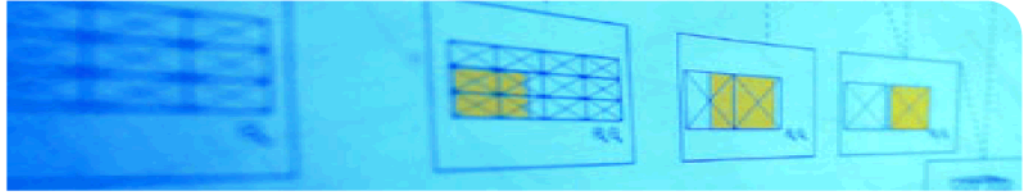
“ I have attended many training sessions and this Advanced GUI Design Workshop was by far one of the best ever. ”

Jeff Gibson  
Alltel

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# Advanced User Interface Design for GUI and Web 2.0 Applications

## Course Summary

The convergence of windows and the web is upon us . Google Maps, Gmail, Flickr and a variety of ne AJAX and Rich Internet applications have begun to legitimize moving beyond HTML to deliver interactive applications that deliver the best of the web and the best of the desktop experience. We will show how these techniques are changing the way designers think about their applications designs. You will learn how to develop complex GUI's for mixed user profiles, effectively use multimedia, implement visual design patterns, and effectively develop for multiple platforms plus, you will see the usability challenges introduced when these new interaction techniques are implemented. Learn from the experts who have been helping companies develop world-class enterprise applications for over a decade.

We will share with you the results of user testing this new breed of application design in our usability lab to help you leverage the technology and avoid the usability pitfalls. We will show you how to implement new interaction techniques such as enhanced client-side validation, drag and drop, partial form refresh to create fast, rich, compelling user experiences. Get a jump start on this compelling new technology to deliver highly effective application designs for your organization.

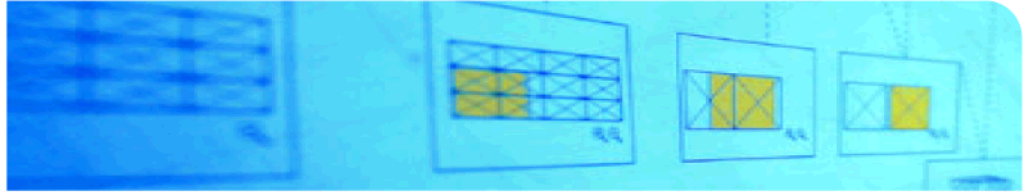
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## Who Should Attend

- **Project Managers** who are responsible for establishing or managing a web project or Internet strategy.
- **Project Leaders** Who need to know proven steps for web-enabling existing client/server applications.
- **GUI Designers** who need to know how and when to use the new Web controls when creating user interfaces.
- **Software Developers** who are looking to expand their knowledge of web application design.

- **Interaction Designers** Who are responsible for managing and implementing UI design.
- **Business Analysts** responsible for documenting requirements for complex user interface applications.

This class is designed for corporate or commercial developers and analysts that are, or plan to be, involved in GUI and Web 2.0 projects. Anyone concerned with developing well-designed user interfaces, including individuals that will gather user requirements or end-users themselves will also benefit from attending.



## What You Will Learn

This two-day class for developers, end-users, interaction designers, and managers explains how to apply the concepts of human centered design to the challenges of complex applications.

Attendees will learn how to:

- Design complex Web 2.0 and traditional GUI applications.
- Design next generation applications to leverage web services.
- Design rich, interactive navigation styles.
- Develop effective Web 2.0 design patterns.
- Incorporate prototyping and use cases to validate complex design issues.
- Design fast, efficient transactional GUI and Web 2.0 applications.
- Create complex UI design patterns.
- Leverage data warehouses with new charting techniques.

## Benefits To Your Company

Implement successful GUI and Web 2.0 applications.

Reducing training costs by creating effective user assistance models.

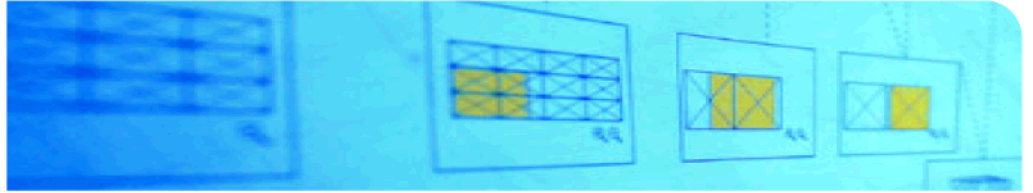
Increase user productivity with highly effective application designs.

Avoid costly design mistakes with this new technology.

Implement a proven user-centered design approach.

Implement practical GUI and Web 2.0 design standards.

Attendees will walk away with a complete set of Web 2.0 design examples for quickly implementing these design patterns within their organization.



## Course Outline

### 1. Advanced UI & Web 2.0 Primer

What is a Web 2.0 Application?

Examples of Web 2.0 Design

Benefits of Web 2.0 and AJAX

Risks of Web 2.0 Approach

**Lab:** Fix challenged applications

**Lab:** Review successful applications

### 2. Advanced Design Modeling

User Profile Modeling

State Transition Models

Requirements Validation

Rapid Prototyping

**Lab:** Validate a set of design models.

### 3. Interaction Modeling

Understand the principles of  
interaction modeling

Learn notation for UML based  
interaction models

Learn how to choose the best web interaction  
model based on the user types and tasks

**Lab:** Create an interaction model for a  
Web 2.0 application

### 4. Advanced Layout Principles

Inductive interface styles

Liquid layouts

Advanced color issues

Complex form layout

Table layout principles

Error handling

**Exercise:** Creating a complex set of layouts  
for an inventory application

### 5. Complex UI Design Patterns

Implement visual design patterns to solve  
complex usability issues

Navigation Patterns

Tree Views

Global Navigation

Workspaces

List Management

Search Patterns

Directed Search

Interactive Search

Results List

**Lab:** Create a navigation model for a  
complex transactional web application

### 6. Designing With Flash and Java

Emerging standards and technologies

RIA Fundamentals

Advanced and custom controls

Designing with Flash

Designing with Java

Java Swing control usage

Rich Internet Application Design Guidelines

### 7. Designing Transactional Applications

Interactive Grids

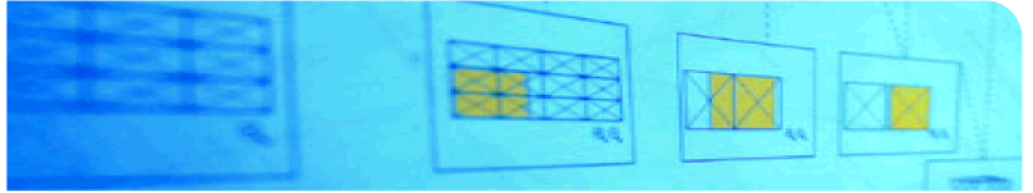
Real-Time updates

Designing for complex transactions

Complex form updates

Shopping cart transactions

**Lab:** Design a Web 2.0 interface for a  
complex database-driven application



## 8. Designing Charts and Graghs

Explain data visualization

Best practices for charts and graphs

Creating interactive dashboards

**Lab:** Design a Charting interface for a data warehouse application

## 9. Creating GUI and Web 2.0

### Design Standards

Explain why UI standards are needed

Identify process for defining and implementing new Web 2.0 standards

Learn contents of Web 2.0 standards

## 10. Course Conclusion

Course Summary

Questions and Answers

"You were able to dissect our objectives and encourage the entire team to evaluate each decision... you delivered a concrete set of design standards... we incorporated over two-thirds of your design recommendations and expertise into our redesigned platform..."

Chad Mitchell,  
Sr. Product Manager  
Experian

"Your ongoing counsel and assistance made it possible for us to develop consistent GUI standards for our application and to take usability into account from the earliest phases of the application design process."

Bernard Riff,  
Replication Server Engineer  
Sybase

# DESIGNING FOR USABILITY & ADVANCED WEB 2.0 DESIGN

## Register for the Seminar:

Seminars:  Designing for Usability  Advanced Web 2.0 Design Seminar location: \_\_\_\_\_

Seminar fee: 2-day course \$1,095. Both seminars: 4 days \$1795 (Save \$400!).

(\$100 Discount per student is available if 3 or more from the same company attend)

Register by fax or mail by using this form. Please provide the following information:

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