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Date	Course Version	Software Version No.	Developer / SME	Change Record Remarks
Date	No.	Software version No.	Developer / SME	Change Record Remarks
05/10/2011	1.0		KARTHIK M	

Course Goals and Non Goals

- Course Goals
 - Develop Web Applications using jQuery

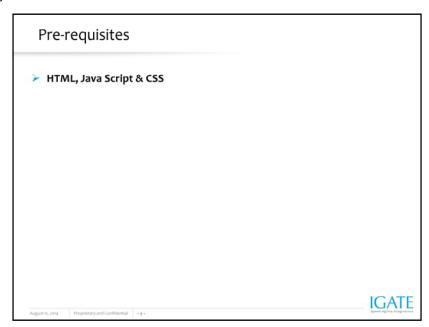


Course Non Goals

Ajax, Creating Web Services and RESTful Services



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Day Wise Schedule

Day 1

Lesson 1: jQuery Fundamentals Lesson 2: Using jQuery Selectors Lesson 3: Working with JSON

Day 2

Lesson 4: Interacting with the DOM Lesson 5: Handling Events and Animations

Day 3

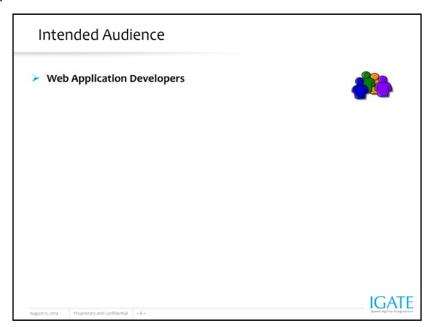
Lesson 6: Working with Ajax Features

Day 4

Lesson 7: Working with Plug-ins

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Lesson 1: jQuery Fundamentals

- 1.1. jQuery Introduction
- 1.2. Why jQuery?
- 1.3. About jQuery.com
- 1.4. jQuery Code assistance
- 1.5. Using jQuery
- 1.6. Content Delivery Network(CDN)

Lesson 2: Using jQuery Selectors

- 2.1. Introduction to Selectors
- 2.2. Selecting Nodes by Tag Name
- 2.3. Selecting Nodes by ascendants and descendants
- 2.4. Selecting Nodes by ID
- 2.5. Selecting Nodes by Class Name

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- 2.6. Selecting Nodes by Attribute Value
- 2.7. Selecting Input Nodes
- 2.8. Additional Selectors

Lesson 3: Working with JSON

- 3.1. JSON Introduction
- 3.2. JSON Types
- 3.3. JSON vs. XML
- 3.4. Working with JSON Object
- 3.5. Using JSON in jQuery

Lesson 4: Interacting with the DOM

- 4.1. Iterating Through Nodes
- 4.2. Modifying Properties
- 4.3. Working with Attributes

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- 4.4. Adding and Removing Nodes
- 4.5. Modifying Styles
- 4.6. Working with Classes

Lesson 5: Handling Events & Animations

- 5.1. Introduction
- 5.2. Traditional event attachment technique drawbacks
- 5.3. jQuery Event Model Benefits
- 5.4. jQuery Events
- 5.5. Handling Events
- 5.6. Binding to Events
- 5.7. Using live(), die() delegate() and undelegate()
- 5.8. Handling Hover Events
- 5.9. Showing and Hiding Elements
- 5.10. jQuery Sliding Effects
- 5.11. jQuery Fading Effects
- 5.12. Creating Custom Animation



Lesson 6: Working with Ajax Features

- 6.1. Introduction
- 6.2. jQuery Ajax Functions
- 6.3. Loading HTML Content from the Server
- 6.4. Making GET Requests
- 6.5. Making POST Requests
- 6.6. Introduction to the ajax() Function

Lesson 7: Working with Plug-ins

- 7.1. Introduction
- 7.2. jQuery UI
- 7.3. jQuery Plug-in Repository
- 7.4. Closures
- 7.5. jQuery Plug-in Types
- 7.6. Working with Plug-in Options
- 7.7. Creating Private functions



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References

- Visual Quick Start Guide jQuery by Steven Holzner
- jQuery in Action by Bear Bibeault and Yehuda Katz
- Learning jQuery 1.3 by Jonathan Chaffer and Karl Swedberg



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