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## Document History

Date	Course Version 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



## Pre-requisites

- **HTML, Java Script & CSS**

## 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

# Intended Audience


➤ Web Application Developers



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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

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- **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

