

WEB SERVICE FOR MOBILE APPLICATION

Web Services for Mobile Application teaches you how to connect mobile devices to internet via the use of Object-Oriented Design Techniques, PHP Scripting Language and MySQL Database Management System, leveraging the use of JSON and XML to send and receive data via Web Services. Although the Web Service topics in this course will be taught in the context of connecting mobile devices to the internet, the concepts are broader and will give the students the ability to create the Web Services to support large-scale web applications, such as social networking applications, online buying and selling, and other apps that rely heavily on Real-Time/ Online Processing using the internet.

Audience

This course is intended for those who have finished the iOS or Android Mobile Apps Development course.

Course Content

Part 1 Introduction to PHP

- 1.1 PHP & MySQL Environment Setup & Installation
- 1.2 Introduction to PHP Programming
- 1.3 Embedded Dynamic Content
- 1.4 Identifiers, Data Types and Variables
- 1.5 Expressions and Operator Precedence
- 1.6 Arrays, Global Arrays and Control Structure
- 1.7 User-Defined Functions

Part 2 MySQL DBMS Usage

- 2.1 Introduction to MySQL
- 2.2 Understanding Basic Commands
- 2.3 Making Design Decisions
- 2.4 Using Joins, Sub-queries and Views
- 2.5 Using Transactions
- 2.6 Using Stored-Procedure and Functions
- 2.7 Integrating PHP to MySQL

Part 3 Putting Our Site Online

- 3.1 Login to Hosting Site
- 3.2 Uploading Files to the Hosting Site
- 3.3 Creating Directories
- 3.4 Identifying the index page
- 3.5 Setting and Controlling the Number of Users
- 3.6 Testing the PHP script and MySQL Database in Online Environment

Android Programming Track

Part 4 Android API for Web Services

- 4.1 Connection to the web using HTTP in Android
- 4.2 Consuming Web Services using HTTP
- 4.3 Consuming XML in Android
- 4.4 XML Basic Processing in Android
- 4.5 Using XmlPullParser in Android
- 4.6 Parsing XML with Children Attributes using SAX
- 4.7 Calling your PHP Scripts from Android App
- 4.8 Access Web Services using the GET and POST method

Part 5 JavaScript Object Notation Usage in Android

- 5.1 Consuming JSON Web Services
- 5.2 JSON Basics & Messages
- 5.3 Reading and Parsing of JSON Feeds
- 5.4 Sending Data to Web Server
- 5.5 Handling Response from Web Server

iOS Programming Track

Part 4 iOS API for Web Services

- 4.1 Introduction to Network Framework in iOS
- 4.2 NSURL Session
- 4.3 Basics of XML
- 4.3 Consuming XML Web Services
- 4.3 Using NSXML Parser
- 4.4 Calling PHP Scripts from iOS App
- 4.4 Accessing Web Services using GET and POST method

Part 5 JavaScript Object Notation Usage in iOS

- 5.1 Consuming JSON Web Services
- 5.2 JSON Basics & Messages
- 5.3 Reading and Parsing of JSON Feeds
- 5.4 Sending Data to Web Server
- 5.5 Handling Response from Web Server

Training Fee: Php 16,800.00 (VAT-Inclusive)
Training Duration: 5 Days (40 Training Hours)

