Full-Stack PHP

Gating Started with HTML 5

- Overview of what's new in HTML5
- Doctype
- Charset
- New structures / tags
- Inline Elements
- Html Tags
- Support for dynamic pages
- Form types
- Deprecated code
- Current browser / platform support
- Importance of the Document Object Model (DOM)
- Using the new HTML5 Tags
- Defining page structure using the new HTML 5 tags
- New HTML5 Elements
- Embedding rich content with multimedia elements
- Borders and Box Effects
- Transitions, Transforms, and Animations
- Layout: Columns and Flexible Box

Images, Audio, and Video

- Adding Images Using the Element
- Using Images as Links
- Choosing the Right Image Format

Introducing CSS 3

- Adding Images Using the Element
- Introducing CSS
- Where You Can Add CSS Rules

- CSS Properties
- Controlling Text
- Text Formatting
- Text Pseudo-Classes
- Styling Text
- Selectors
- Lengths
- Introducing the Box Model
- Creating a Style Sheet for Code

Bootstrap

- Adding Images Using the Element
- Bootstrap Introduction
- Environment – setup
- Document structure
- Layouts – Breakpoints, Container types, Alignment in grids
- Contents – Typography, Images, Tables
- Forums
- Components – Dismissible Alerts, Badges, Breadcrumbs, Button
- And Button groups, cards, carousels, dropdowns, modal, navs,
- Navbar, popover, progress bars

Java Scripts Concepts

- What Is Programming About?
- JavaScript Language Essentials
- How to Add a Script to Your Pages
- Create an External JavaScript
- The Document Object Model
- Starting to Program with JavaScript
- Variables
- Operators
- Functions
- Conditional Statements
- Looping
- Events Handlings

- Built-in Objects
- Writing JavaScript
- Interacting with Users
- Building Smarter Forms
- Working with Dates and Times
- Real World Applications of JavaScript

Angular JS

- Angular 5 basics
- Using Custom Components
- What is Data binding?
- Components & Data binding Deep Dive
- Directives Deep Dive
- Using Services & Dependency Injection
- Changing Pages with Routing
- Understanding Observables
- Handling Forms in Angular Apps
- Introduction to the Reactive Approach
- Using Pipes to Transform Output
- Making Http Requests
- Authentication & Route Protection in

Angular Apps

- Deploying an Angular App
- Typescript Introduction

React JS

- Introduction of React
- JSX
- React Components
- Props and State
- React Forms
- React Events
- Routing in React
- Bootstrap, Jquery in React
- React Redux
- React Hooks
- HTTP Client

- Testing react

Introduction

Using the exercise files

PHP Overview

What is PHP Why choose PHP
Installation overview

Windows Installation

Installing6m Configuring The text editor

First Steps

Viewing PHP configuration information
Embedding PHP
''Hello World!
The operational trail inserting comments

Exploring Data Types

Variables Strings
String functions Numbers pt. 1: Integers
Numbers pt. 2: Floating points Arrays
Array functions Booleans and NULL
Type switching and casting Constants

Control

If statements
Else and else if statements Logical operators
Switch statements

Control Structures

While loops For loops
For each loops Continue Break

Understanding array pointers

User-Defined Functions

Defining functions
Using functions
Returning values from a function
Setting global variables
Setting default values

Debugging

Debugging and troubleshooting

Building Web Pages

Links and URLs
Using GET values
Encoding GET values
 Encoding for HTML
Building forms5
Setting cookies
 Establishing sessions
Headers and page redirection
Including and requiring pages

MySQL Basics
MySQL introduction
Creating a database in MySQL
Populating a MySQL database
 PHP MyAdmin
Connecting to MySQL with PHP
Accessing data in MySQL with PHP

Building a Content Management System

Blueprinting your application
Building the CMS database
Understanding relational databases

Establishing your work area
Creating your first page
Making page assets reusable
Connecting your site to a database
 Building dynamic navigation
 Refactoring the navigation
Adding links to your navigation
 Determining which page is selected
Displaying HTML based on the selection

Application CRUD

Finding a subject in the database
Finding a page in the database
Creating a page for a new subject
Creating a subject entry form
Adding subjects
Escaping values for MySQL
Form validation
Additional form validation
Editing a subject
Using single-page submission
Updating a subject in the database
Sending form results as messages
Deleting a subject
CRUD review and assignment
CRUD assignment results

Building the Public Area

The public appearance
Navigation in the public context
Functions in the public context
Creating a default subject behavior
Text encoding and transforming

Regulating Page Access

User access overview Encryption
Creating a login system
Checking authorization

Using sessions to maintain login status
Creating a logout page
Conclusion

CodeIgniter Basics

- Introduction
- Downloading and installing CodeIgniter
- Basic configuration options
- Managing CodeIgniter on different environments
- Managing database settings on different environments
- Securing the system files
- Removing index.php from the address bar using .htaccess
- Installing and using Sparks

User Management

- Introduction
- Viewing users
- Creating users
- Editing users
- Deleting users
- Generating passwords with CodeIgniter
- Generating passwords with CodeIgniter – the bare bones
- Forgot password? – resetting passwords with CodeIgniter

Creating E-commerce Features

- Introduction
- Amending configuration settings to run sessions in a database
- Creating a basic cart
- Adding and searching by product categories
- Saving the cart to the database

Email, HTML Table, and Text Libraries

- Introduction
- Sending plain e-mails with CodeIgniter Email
- Sending HTML e-mails with CodeIgniter Email
- Sending attachments with CodeIgniter Email
- Sending bulk e-mails with CodeIgniter Email
- Using an HTML table with DataTable
- Using an HTML table with DataTable and a database
- Using word_limiter() for table output
- Using word_censor() for cleaning input

Managing Data In and Out

- Introduction
- Sending different data to multiple views
- Validating user input
- Preparing user input
- Sticky form elements in CodeIgniter
- Displaying errors next to form items
- Reading files from the filesystem
- Writing files to the filesystem
- Creating and downloading ZIP files
- Uploading files with CodeIgniter
- Creating and using validation callbacks

- Using the language class
- Confirming cookie acceptance from the user

Working with Databases

- Introduction
- Configuring CodeIgniter for databases
- Connecting to multiple databases
- Active Record – create (insert)

- Active Record – read (select)
- Active Record – update
- Active Record – delete
- Looping through the database results
- Counting the number of returned results with num_rows()
- Counting the number of returned results with count_all_results()
- Query binding
- Finding the last insert id
- Finding the number of affected rows
- Finding the last database query
- Using CodeIgniter database migrations
- Moving to the current version with current()
- Rolling back/stepping forward with version()
- Generating an XML from a database result
- Generating a CSV from a database result

Creating a Secure User Environment

- Introduction
- Escaping user input
- Preventing cross-site request forgery
- Escaping data – for a database
- Using HTTPS with CodeIgniter

Calendaring, Right Place, and Right Time

- Introduction
- Building a CodeIgniter Calendar helper with database results
- Building an appointment manager with Calendar Library
- Creating a helper to work with a person's date of birth
- Working with fuzzy dates in CodeIgniter

Extending the Core

- Introduction
- Using CodeIgniter Sparks
- Creating PDFs with the DOMPDF Spark
- Creating Hooks in CodeIgniter
- Clearing dead sessions from the database
- Extending your controllers
- Uploading a file with FTP
- Creating libraries and giving them access to CodeIgniter resources
- Making your own configuration files and using the settings
- Using the language class – switching language on the go

Working with Images

- Introduction
- Installing ImageMagick on MAC with Cactuslab
- Uploading images with CodeIgniter
- Generating thumbnails – resizing
- Rotating images
- Cropping images
- Adding watermarks with text
- Submitting a form with CodeIgniter CAPTCHA