

CodeIgniter

Duration- 2 Months

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
- ActiveRecord – 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

Project Development

- Web Application using CodeIgniter