


Diploma in

Web development

Starter Pack



The image shows a person from the back, wearing large, light-colored headphones, looking at a computer monitor. The monitor displays a code editor with two files open. The left file, named 'index.html', contains HTML code with a 'showEditable' function and a 'remove' button. The right file, named 'index.js', contains JavaScript code for a calculator and an 'updateStatus' function. The background is a dark blue gradient with a white curved line.

```
Object.assign({}, this.linItem)

ed: {
  showEditable () {
    return `(this.linItem.type === "PAGE" || this.linItem.type === "ITEM");
  }
},
methods: {
  ...mapActions('orders', [
    'updateItem',
    'removeItem'
  ]),
  onSave () {
    this.updateItem(this.editable);
    this.$emit('saved', this.editable);
  },
  onRemove () {
    $.confirm('Remove this line item?', () => {
      const id = this.editable.id;
      console.log('testing');
      this.removeItem(this.linItem);
      this.$emit('removed', id);
    });
  }
}
```

```

    }
    $total = $calculator->getCollector();
    return json_success($total);
  }
}

//
// Update Status
//
// @param OrderRequest Request
//
// @return Illuminate\Http\JsonResponse
//
public function updateStatus(OrderRequest $req)
{
    $order = $this->repository->get($request->id);
    $newStatus = $request->get('new_status');
    return json_success(
        $this->calculator->updateStatus($order, $newStatus);
    );
}
```



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Course Outline

In the web development course, you can expect the following:

- 8 lessons
- 4 practice assignments
- 1 module assignment
- Webinar slides
- Summary notes

Module 1

Lesson 1:	Introduction to the web
Lesson 2:	Introduction to HTML
Lesson 3:	HTML elements
Lesson 4:	HTML attributes
Lesson 5:	HTML inputs
Lesson 6:	Introduction to CSS
Lesson 7:	Advanced CSS
Lesson 8:	HTML and CSS project

Module 2

Lesson 1:	Introduction to JavaScript
Lesson 2:	JavaScript data types and variables
Lesson 3:	Working with operators in JavaScript
Lesson 4:	Conditionals in JavaScript
Lesson 5:	JavaScript loops and arrays
Lesson 6:	Functions, properties and objects
Lesson 7:	Combining JavaScript with HTML and CSS Part 1
Lesson 8:	Combining JavaScript with HTML and CSS Part 2

Module 3

Lesson 1:	Introduction to PHP
Lesson 2:	Working with PHP variables and output
Lesson 3:	Data types and variable scope
Lesson 4:	PHP operators and conditional logic
Lesson 5:	Working with loops in PHP
Lesson 6:	Functions in PHP
Lesson 7:	PHP super globals
Lesson 8:	Introduction to SQL databases

Module 4: To be released April 2022

Lesson 1:	Managing tables and datatypes in MySQL
Lesson 2:	Creating and selecting records
Lesson 3:	Deleting and updating records
Lesson 4:	Joining tables
Lesson 5:	Connecting to MySQL with PHP
Lesson 6:	E-commerce project part 1: Building the UI
Lesson 7:	E-commerce project part 2: Designing the back end
Lesson 8:	E-commerce project part 3: Finalising our website



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Course

- Requirements and tips for this course:

Stay up-to-date

Always try to stay up to date with technological trends by reading articles and popular technology news websites. This will reinforce your learning of modern and trending technologies.

Software Documentation

When working through the technical and practical content, review the documentation of the software we will be using.

Github

We will be using Github as a repository for our source code. This will make it a lot easier to share code for the practical content we will be doing. So be sure to familiarise yourself with the platform.

Code Editor

For the Web Development part of this course, you will need a code editor tool. For this course we will be using ATOM. You can download the software at atom.io – the software is compatible for both Windows and Mac systems.

Mobile Code Editor

In the event that you do not have access to a laptop or PC, consider downloading a mobile app code editor tool. Acode is a popular code editing tool for Android devices.

File Extensions

It is important to follow best practice when naming the files associated with your website. For example, HTML files must have an extension of .html appended at the end. Similarly, CSS files must have the keyword .css appended at the end.

Requirement Analysis

For personal projects, it is always best to gather and process the requirements of your website before you start development. These requirements will drive which features and functionality you will incorporate into your web design.

Code Readability

When writing code in any language, you typically would like to ensure that you indent your code where necessary, it improves the readability of your code.

Stack Overflow

Stack Overflow is your go-to platform if you're writing code and for some reason it doesn't work as you expect it to. This happens more often than you know, even to the best developers out there. Stack Overflow allows you to share your code with other developers and enables you to find solutions to issues similar to the ones you may be experiencing.

Reputable Sources

To improve your understanding of the theoretical concepts, always try to read up on reputable technology news platforms or peer-reviewed journal articles and books.