

Diploma in Web Development – Part II



Front-End Development – Week 1 Bootstrap Fundamentals

Presented by:
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Advanced Diploma

Final Assignment = 100 Questions

Pass = 50%

Merit = 70%

Distinction = 85%

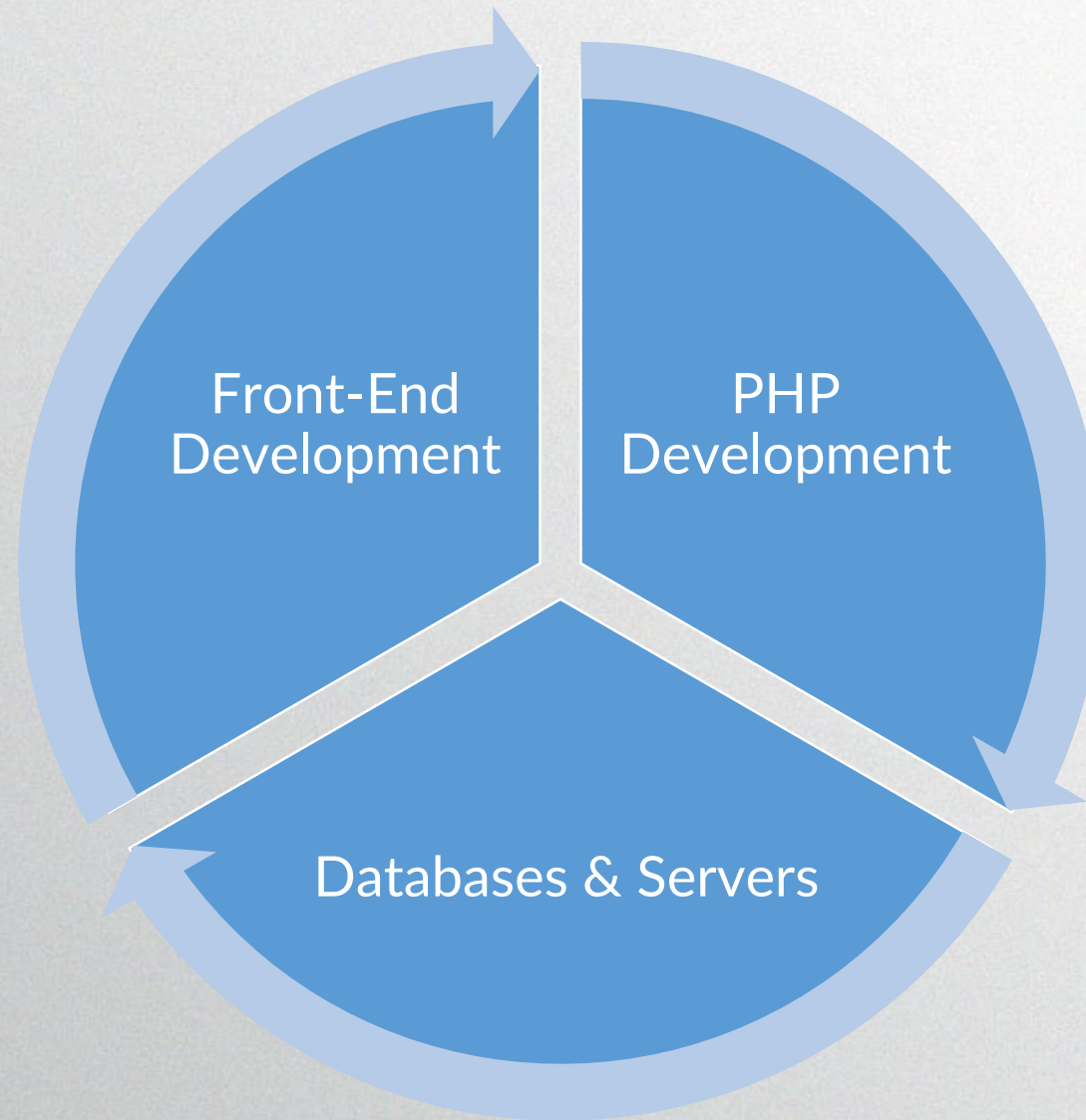
E-Diploma & Exam – FREE

Hard Copy Diploma – €19.⁹⁵



(FREE for Members)

Course Overview



Front-End Development



Bootstrap Fundamentals

- 1 ➤ Core Concepts
 - Grid System
 - Bootstrap Demonstration

Practical:

- Shawpify: Website Template with Bootstrap (I)



Agenda!



Object-Oriented JavaScript

- 2 ➤ Object-Oriented Programming
 - Properties & Methods
 - Building a Prototype Object

Practical:

- Shawpify: Website Template with Bootstrap (I)



Agenda!



JQuery

- 3 ➤ JQuery: The JavaScript Library
 - Getting Started with JQuery
 - Event Handling

Practical:

- TBD



Agenda!



AJAX & Event Handling

- 4 ➤ What is User Experience?
 - Introduction to AJAX
 - AJAX & JQuery Demonstration

Practical:

- Shawpify: AJAX Powered Navigation



Agenda!



Let's Begin!



Bootstrap



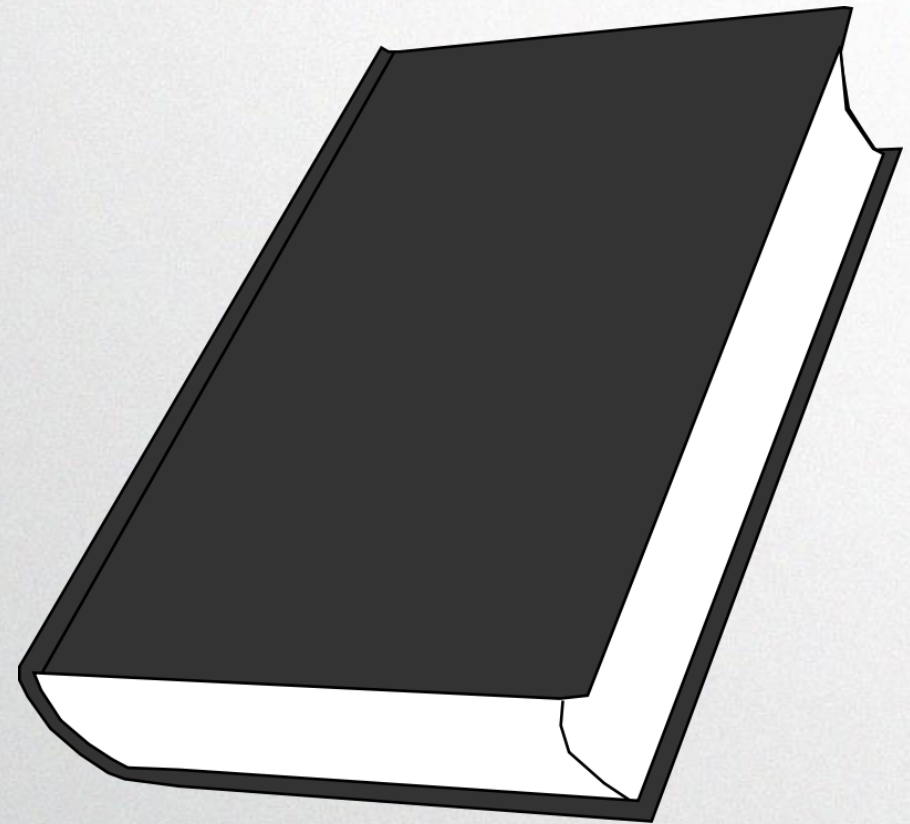
Bootstrap

is a HTML, CSS, *and* Javascript **framework**
that is specifically designed to develop
responsive, mobile-first projects on the web



Notice!

- Frameworks must be learned
- Each framework has different rules to follow
- Use getbootstrap.com as a reference for the Bootstrap Framework



In Your HTML Document

Head

- 1) Include meta tags for mobile-first development
- 2) Include Bootstrap CSS
- 3) Include any other CSS

Body

- 1) Include JQuery
- 2) Include Bootstrap JS
- 3) Include any other JS



Bootstrap Key Concepts

- Bootstrap requires a container wrapper for all HTML content
- Use “**container**” class for fixed width container
- Use “**container-fluid**” class for full width container
- Note: containers shouldn't be in other containers!

```
<div class="container">
    <!--Contents of container here-->
</div>

<!--Or this:-->
<div class="container-fluid">
    <!--Contents of container here-->
</div>
```



Bootstrap Key Concepts

- Bootstrap uses a **grid system**
- There are 12 columns in Bootstrap
- Use “col-md-” and then add the number of columns
- E.g. “col-md-4” uses 1/3rd of the screen

.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1	.col-md-1
.col-md-8								.col-md-4			
.col-md-4				.col-md-4				.col-md-4			
.col-md-6						.col-md-6					





Template Demo

For More Information on Bootstrap & Designing for Web



**For More Information on Bootstrap & Designing for Web
Web Design Course**



Notice

- I will be away on **annual leave** for week 2 & 3
- Tadhg Deeney will be teaching in my stead
- Live lessons will continue as normal
- (Be nice to him!)



- The next session is “Object-Oriented JavaScript”
 - Object Oriented Programming
 - Properties & Methods
 - Building a Prototype Object

- Recordings are available within 24 hours after the live webinar

- Go to www.shawacademy.com and then the Top Right Corner – **Members Area**



Next Lesson is

Object-Oriented JavaScript

- Learn about how to build web applications using an **object-oriented design methodology**
- You will understand the value of using objects and how to build applications in a **modular manner**



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