# Front End Web Development

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## Goals

By the end of this course the trainee will be able to create a fully functional front end website by applying the fundamentals concepts of front end web development using HTML, CSS and JavaScript also he’ll be familiar with a lot of tools and workflow methodologies that we’re going to explore throughout this course.

## Prerequisites

This course is not a beginner’s course a basic knowledge of programming fundamentals is required (variables and loops and conditions) also a little knowledge of HTML and CSS is preferred even though we’re going to pass briefly by the basics.

## Content

### INTRODUCTION

A general introduction to web development with more focus on the front end, introducing and explaining a few fundamentals terms

#### How the Web works?

#### FrontEnd & BackEnd & FullStack

### STRUCTERING WEB PAGES WITH HTML5

General introduction to HTML with a fast overview of the most used elements

#### HTML Role & Basics

#### HTML Common Elements

#### HTML Forms

#### HTML5 Semantics

### STYLING WEB PAGES WITH CSS

General introduction to CSS with a fast overview of the most used concepts and rules

#### CSS Role and Syntax

#### CSS Selectors

#### Common CSS Concepts

#### CSS Layouts

#### Responsive Design

#### CSS Animation

### ADDING BEHAVIOUR TO WEBPAGES WITH JAVASCRIPT

General introduction to JavaScript with a fast overview of the most used concepts

#### JavaScript Introduction

#### JavaScript Basics

#### JavaScript Functions & Objects

#### DOM

#### Events

#### AJAX

### WEB DEVELOPEMENT WORKFLOW AND TOOLS

Introducing the mostly used workflows and tools in web development process

#### Browsers

#### Text Editors & IDEs

#### Task Runners

#### Version Control Systems (Git)

### Front End CSS Frameworks and Preprocessors (Bootstrap as an example)

#### CSS Frameworks

#### Introducing Bootstrap

#### Extending CSS with Preprocessors

### JS Libraries & Frameworks (JQuery as an example)

#### JavaScript Libraries

#### Introduction to JQuery

#### JavaScript Frameworks

### Next Steps

#### Tips & Tricks

#### Conclusion