



# Front End Web Development Course Curriculum

# Front End Web Development

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## Mission

The goal of the Front End Web Development course is to help learners and to equip them with unique skills that they need in order to build and develop a variety of websites and games. Learners will be able to construct responsive websites using CSS, CSS Grid, Bootstrap and Develop Interactive websites and UI (User Interface) games and using JavaScript and HTML. Learners will also be taught to connect a web application to various API's using JavaScript.

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## Course Description

In this course, you'll learn the fundamentals of Web Developments and how to understand documentation, along with creating websites. You'll learn to create Dynamic UI using HTML, CSS and will use Javascript to control the flow of Websites. You'll harness the power of the Bootstrap framework. You'll design and create your own custom user interactive websites and games. This would-be supported by building real-world projects and utilising these technologies and best project development practices.

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## Prerequisites

- General Requirements

You must be enthusiastic and motivated to learn. Participation in this course requires consistently meeting project deadlines and active participation.

- Program-Specific Requirements

You have access to a computer with an internet connection, on which you'll install a professional code/text editor (VSCode).

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## Jobs which you can apply

Front End Web Developer and Game Developer

# Front End Web Development

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## Projects

1. Git and GitHub
2. Problem-Analysing Skills
3. HTML
4. CSS
5. Bootstrap and Javascript Syntax
6. Functions
7. Command-Line
8. Project Design
9. Utilising Package managers
10. HTTP Requests
11. APIs
12. JSON
13. Postman
14. Game Development.

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## Skills you will learn

1. Form using HTML
2. Mock Facebook/Twitter Page
3. Portfolio of Students
4. Flappy Bird Game
5. Tic-Tac-Toe Game
6. Pokemon Image Plotting (Pok-e-Search)
7. Showcase IMDb movie cards on a website

Estimated Time	Modules	Learning Outcome	Projects and target
Day 1 & 2	<b>Module 1</b> Introduction to Web Development HTML Deep Dive	The consciousness of Web Development A firm grip on Important HTML Tags Basics of CSS	Exploring 200+ HTML Tags Creating our First Form
Day 3 & 4			
Day 5 & 6	<b>Module 2</b> CSS a Deep Dive Introduction to Git	Profound knowledge of CSS	Setting up and building Github Mock Twitter/Facebook Page
Day 7 & 8			
Day 9 & 10	<b>Module 3</b> Bootstrap Framework Introduction to Javascript	Good Command on Bootstrap First Principles of Javascript	Landing Page Portfolio Website of Every Student
Day 11 & 12			
Day 13 & 14	<b>Module 4</b> Javascript a Deep Dive	Gaping knowledge of Javascript	Basic Patterns using Javascript HackerEarth Questions Flappy Bird Game Automated Tic-Tac-Toe Game
Day 15 & 16			
Day 17 & 18			
Day 19 & 20	<b>Module 5</b> Internet and API's	Knowledge of Working of API's Future Scope of Web Development	Use of various API's in Projects Encouraging Students to Explore More



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