



Full Stack Web Development

Learning Outcomes

By the end of this Course, students will be able to

- Understand the fundamentals of web development, including HTML, CSS, and JavaScript.
- Develop front-end web applications using HTML, CSS, and JavaScript.
- Develop back-end web applications using a programming language such as PHP , Java and Laravel Framework
- Deploy web applications to a production environment.
- Work effectively as part of a team to develop web applications.
- Communicate effectively with both technical and non-technical audiences about web development projects.
- Identify and solve problems in a timely and efficient manner.
- Work as Freelancer, Entrepreneur etc.

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 1	Introduction to Full Stack Web Development	Motivational Lecture <ul style="list-style-type: none"> • Course Introduction • Difference between full stack web development/ Developer • Front end and Back end difference • Difference between DBMS and RDBMS • Tools, Platforms and Frameworks • Introduction to Programming (HTML) 	Give a recall to today’s lecture.
	Exploring Different Websites HTML	<ul style="list-style-type: none"> • HTML Introduction (HTML Editors (Notepad, Text Edit). • How to write code using tags. • How to save HTML file • View the HTML page 	<input type="checkbox"/> Write the name of the institute using any editor and save the HTML file and also view it.

		<p>HTML Basics</p> <ul style="list-style-type: none"> • HTML documents • DOCTYPE declaration • HTML Headings • HTML Paragraphs • HTML Links • HTML Images • View HTML source code 	<ul style="list-style-type: none"> <input type="checkbox"/> Write a title of your web page. <input type="checkbox"/> Write six levels of headings, insert paragraph(3-4 lines), insert a link, insert an image and take screenshot of source code.
		<p>Success Stories</p> <ul style="list-style-type: none"> • HTML Elements • Nested HTML Elements • HTML Paragraphs • Examples • HTML Display • HTML Line Break 	<ul style="list-style-type: none"> <input type="checkbox"/> Write HTML code using elements and nested elements. <input type="checkbox"/> Save the file. <input type="checkbox"/> Take screenshot of web page.
		<p>HTML Attributes</p> <ul style="list-style-type: none"> • href Attribute • src Attribute • width and height Attributes • alt Attribute • style Attribute • lang Attribute • title Attribute <p>Weekly Assessment</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Write HTML code using all attributes.

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 2	HTML	Motivational Lectures <ul style="list-style-type: none"> • HTML Styles • Exercise 	Practice Questions
		<input type="checkbox"/> HTML Style Attributes	Use all learned attributes into your web page
		HTML Text Formatting + Success Stories	Update your web page to use new Tags
		HTML Text Formatting + Practice + Exercise	Update your web page to use new Tags
		Practice Exercise Weekly Assessment	<input type="checkbox"/> Write HTML code using all attributes.
	HTML	Motivational Lecture HTML Quotations + Examples + Practice Exercises	Give a recall to today's lecture.
		<ul style="list-style-type: none"> • HTML Comments • Lab work 	<input type="checkbox"/> Practice Questions
		HTML Colors + Practice exercise	Update your web page with new features of HTML that you have learned
		<ul style="list-style-type: none"> • HTML CSS • Introducing some more new features 	<input type="checkbox"/> Implement into your web page
		<input type="checkbox"/> Practice Exercises Success Stories Weekly Assessment	<input type="checkbox"/> Update your web page

Scheduled Weeks	Module Title	Learning Units	Home Assignment
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Week 3	HTML	Motivational Lectures HTML Links + Images + Favicon and Page Title	Implement into your web page
		Tables HTML Id HTML Iframes JavaScript	Exercise
		Lists Success Stories	Make Tables and lists into your web page...
		Block and Inline	Exercise
		HTML Forms HTML Graphic HTML Media (Media, Audio, Video, Plug-ins, You Tube etc.)	

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 4	CSS	HTML APIs	Give a recall to today's lecture.
		CSS <ul style="list-style-type: none"> • Introduction • Syntax • Selectors • Comments • Colors 	Practice Exercise
		CSS Background, Borders, Margins, Padding etc.	Practice Questions
		Height / Width, Box Model, Outline etc.	Practice Questions
		Text, Fonts, Icons Links, Lists, Tables Display, Navigation Bar, Align , Dropdowns, Image Gallery , Forms	Practice Questions

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 5	Java Script	Introduction to Java Script	Give a recall to today's lecture.
		Script Tags, Functions and Events, Advantages etc.	Practice should be made on all previous lectures and topics
		Java Script output, using inner java etc.	Exercise
		Java Script Statements JS Syntax , Comments, Variables and Constants	Exercise

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 6	Java Script	JS Operators, Arithmetic, Assignment etc.	Practice should be made on all previous lectures and topics
		JS Data Types , JS Functions	Exercise
		JS Objects and Events JS Loops , Array, Classes & Modules , JS JSON	Recall today and all previous .
			Practice all Events
		Examples + Weekly Assessment	Practice should be made on all previous lectures and topics

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 7	jQuery	jQuery Introduction, Syntax, Events etc. jQuery Effects, jQuery HTML	Give a recall to today's lecture.
		jQuery AJAX , jQuery Examples using AJAX	Exercise
			Practice should be made on all previous lectures and topics
		jQuery Examples	Do more at your end
		Examples Queries +Weekly Assessment	Recall and practice on all previous topics and lectures.

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Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 8	Bootstrap	BS introduction, Grid Basic	Try to use it in your web page.
		BS images	Practice at your end
		BS Button & Button Groups	Practice questions
		BS Badges and Labels	Practice questions
		BS Dropdowns, Navigation Bar etc.	Practice should be made on all previous lectures and topics

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Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 9	PHP	PHP Intro, Install, Syntax, Comments, Examples	Practice questions
		PHP Variables, Echo / Print.....	Practice at your end with example
		PHP Data types, Strings, Numbers, Math....	Recall today and previous lectures
		PHP if else statements	Practice questions
		Examples + Practices + Weekly Assessment	Practice should be made on all previous lectures

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 10	PHP	Switch statements and loops	Give a recall to today's lecture.
		Functions, Arrays	Practice Questions
		PHP Forms	Design and make new forms
		PHP Forms and MySQL Database	Practice should be made
		MySQL Database Connect, Create DB, Create Table, Insert Data...	Create your own database and make some entries.

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Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 11	PHP and Database	Insert multiple Data, Select query	Practice questions
		PHP XML	Practice Questions
		Examples and more Practices related to PHP XML	Recall today and previous topics
		PHP – AJAX	Practice questions.
		Examples and more Practices related to PHP - AJAX	Update your database

Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 12	MYSQL	MySQL SELECT, WHERE, AND, OR, NOT.....	Implement these queries into your Database.
		MySQL ORDERED BY, INSERT INTO, UPDATE, DELETE....	Practice questions
		MySQL Create DB, Drop DB, Create Table, Drop Table, Alter Table....	Update your DB
		MySQL Primary Key, Foreign Key, Unique.....	Implement into your DB
		Create Index, Auto Increment, Dates, Views	Implement all these queries into your DB

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Scheduled Weeks	Module Title	Learning Units	Home Assignment
Week 13	Laravel	Introduction to Laravel Framework MVC Model Concepts	
		Understanding of Routing and controllers And Database and models	
		Fundamental Concepts structure and methods programming used for Laravel Operations.	
		Introduction to Online Shop Web App Structure and Ecommerce Operations and creation process using Laravel MVC Model	
		Submission of Final Project	

For Details website link: [Full stack Web Development Courses in islamabad \(careervision.com.pk\)](https://careervision.com.pk/course/full-stack-web-development/)

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Scheduled Weeks	Module Title	Days	Learning Units	Home Assignment
Week 14	Final Project	Day 1	Motivational Lectures Assist Students to make final project	
		Day 2	Assist Students to make final project Success Stories	
		Day 3	Motivate Students Assist Students to make final project	
		Day 4	Motivate Students Assist Students to make final project	
		Day 5	Submission of Final Project	



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