

# FRONT-END WEB DEVELOPMENT

WEEK	ACTIVITY	OBJECTIVE
1.	<ul style="list-style-type: none"> <li>❖ UNIX and Terminal fundamentals</li> <li>❖ Command line interface</li> <li>❖ GIT and GitHub</li> <li>❖ Ubuntu WSL</li> </ul>	1) Student should be able to create file and folders in terminal 2) Delete, copy, move files and folders 3) Create account with github and push to remote repository 4) Push, pull, commit, add, stage files 5) Clone a file
2.	<ul style="list-style-type: none"> <li>❖ Introduction to HTML</li> <li>❖ Install VSC</li> <li>❖ Create a .html file</li> <li>❖ Emmet commands in html</li> <li>❖ Understanding tags and elements</li> <li>❖ Title, anchor, heading, paragraph, image, section, aside, div, footer, header...tags in html</li> </ul>	6) Student should be able to insert images, headings and paragraph to a web page 7) Student should know the use of aside and section in search engine accessibility 8) Link the different pages in a web page
3.	<ul style="list-style-type: none"> <li>❖ The meta tag</li> <li>❖ Attributes</li> <li>❖ Tables</li> <li>❖ Forms</li> </ul>	9) The student should know the role of meta in giving the web page accessibility 10) Should create a table and a form in a web page
4.	<ul style="list-style-type: none"> <li>❖ List tags: ul, ol, li, dt</li> <li>❖ Miscellaneous tags: summary, details, figure, figcaption</li> <li>❖ Introduction to css</li> <li>❖ Linking your styles to your web pages</li> </ul>	11) The student should know how to create summary paragraphs 12) The need of figure in image tag 13) Understand the different listing formats and when to use each
5.	<ul style="list-style-type: none"> <li>❖ Styling elements</li> <li>❖ Styling class and ids</li> <li>❖ Specificity in styles</li> <li>❖ Fonts</li> <li>❖ Colors</li> <li>❖ Backgrounds</li> </ul>	14) The student should style an html element, classes and ids 15) The student should understand specificity in styles and their hierarchy 16) Using Google fonts 17) Use of RGB, HSL, hexa value in colors
6.	<ul style="list-style-type: none"> <li>❖ Positioning: fixed, absolute, relative,</li> </ul>	18) The student should be able to move

	static <ul style="list-style-type: none"> <li>❖ Margins and padding</li> <li>❖ Borders</li> <li>❖ Flex and grid systems</li> </ul>	elements with a page <ul style="list-style-type: none"> <li>19) Understand box-sizing borders</li> <li>20) Work with flex and grids</li> </ul>
7.	<ul style="list-style-type: none"> <li>❖ Bootstrap</li> <li>❖ Understanding bootstrap 4.0</li> <li>❖ Using CDN</li> </ul>	<ul style="list-style-type: none"> <li>21) The student should know how to create a bootstrap template</li> <li>22) Use bootstrap as CDN to create carousel</li> <li>23) Use bootstrap in styling forms</li> </ul> <p><b>Milestone:</b> the student can create a five page web application and complete the challenges in FREECODECAMP RWD</p>
8.	<ul style="list-style-type: none"> <li>❖ Introduction to JavaScript</li> <li>❖ Variables, arrays, objects</li> </ul>	<ul style="list-style-type: none"> <li>24) The student should declare a binding</li> <li>25) Create an array</li> <li>26) Working with an object</li> <li>27) Modify contents of arrays and objects</li> </ul>
9.	<ul style="list-style-type: none"> <li>❖ Functions</li> <li>❖ Define and call a function</li> <li>❖ Condition statements</li> <li>❖ Loops</li> <li>❖ Switches</li> </ul>	<ul style="list-style-type: none"> <li>28) The student can create a function and call it</li> <li>29) Work on conditional statements and loops</li> </ul>
10.	<ul style="list-style-type: none"> <li>❖ Object destructuring</li> <li>❖ Try, catch errors</li> <li>❖ Closures and iterators</li> <li>❖ debugging</li> </ul>	<ul style="list-style-type: none"> <li>30) The student can destructure an object</li> <li>31) Catch different types of error</li> <li>32) Work with closures and iterators</li> <li>33)</li> </ul>
11.	<ul style="list-style-type: none"> <li>❖ REGEX</li> </ul>	<ul style="list-style-type: none"> <li>34) The student can work on any regex expression</li> <li>35) Use regex to crack a password</li> <li>36) Use regex on a form</li> </ul>
12.	<ul style="list-style-type: none"> <li>❖ Project</li> </ul>	<p><b>Milestone:</b> the student can complete the FREECODECAMP JavaScript and Data Structure Projects</p> <ul style="list-style-type: none"> <li>37) Hosts all his files on github and netlify</li> </ul>