

**Course Calender** 

Day I	
HTML	
what is HTML	
Attributes	
Basic Structure of Html	
` Doctype and HTML tags	
Creating a HTML file	
Adding Text to your Webpage	
Headings	
Paragraph	
White space	
Line Breaks	
Horizontal Rule	
Strong Tag	
Emphasis tag	
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Day I	
Quotations	
Blockquote	
quote	
Abbreviation	
Superscript	
Useful HTML character entities ( symbols)	
Less than	
Greater than	
Ampersand	
Naira	
Copyright	





Day I	
List	
List tag	
Types of list	
Ordered list	
Unordered list	
Description list	
Nested list	





Day 2	
Links	
what are links	
Link tag	
Link Attributes	
Linking to other site	
Links that open a new tab	
Linking to other pages on the same site	
Directory structure	
Linking to a specific part of the same page	
Linking to specific part of another page	
Links to other files (Word documents, ZIP files, PDFs, etc)	

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Day 2	
Images	
Image Tag	
Image Attributes	
src	
alt	
title	
Figure and Figure Caption	
Images as link	
HTML Validators	





Day 2	
Tables	
Table element	
Table row	
Table data	
Table heading	
Table caption	
Merging cells in a table	
Spanning rows	
Spanning the columns	

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Day 3	
Forms	
Form structure	
form	
action	
method	
Get ,Post	
id Label element	
Text input	
name	
maxlength	





Day 2	
Password input	
Textarea	
Radio button	
Checkbox	
Dropdown list box	
File input box	
Reset button	
Image button	
Button Tag	
Fieldset element	
Legend element	
New html5 input types	
New html5 attributes	
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Day 3	
Iframe	
Iframe embeds: Google Map	
Iframe embeds:Youtube	
Multimedia in HTML5	
The video element	
Preload	
Multiple video format	
The audio element	
The audio element	
Meta tags, comments, block level and inline elements	
Meta tags	
description	
keywords	
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Day 3	
pragma	
expires	
Comments	
Block level	
Grouping Text & Elements in a Block	
Division Tag	
Grouping Text & Elements in a Inline	
span Tag	

Day I	
What is CSS	
Types of CSS	
CSS Selectors I. Type 2. Class 3. Id 4. Descendant Selector	
CSS Rules I. Last Rule 2. Specificity 3. Important 4. Initial	
Pseudo Classes I. Link 2. Hover 3. Active 4. Focus	





Day I	
Font & Text Properties	
Font weight	
Font style	
Text decoration	
Text align	
Text transform	
Text indent	
Class Work	
Assignment	





Day 2	
Google Fonts, Web fonts, font icons	
Web Developer Tools	
Background	
Background-color	
Background-image	
Background-size	
Background-repeat	
Background-attachment	
Background-position	
Display	
Inline	
Block	
Inline Block	



Day 2	
Border-radius, box-sizing, box-shadow	
Box Model (Padding, Margin, Border)	
Class Work	
Assignment	

Day 3	
Position	
Relative	
Absolute	
Relative-Absolute	
Fixed	
z-index	

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Day 3	
FLOAT	
Left	
Right	
None	
I 4. Flex Box	
Flex Container	
Align Items	
Justify content	
Flex Direction	
Flex Wrap	
Flex flox	
Align Content	
	<b>5</b> <b>3</b>



Day 3	
Flex Item	
order	
flex-grow	
flex-shrink	
flex-basis	
flex	
align-self	





Day 4	
<b>Responsive Design with Media Query</b>	
Media Query Intro	
Media Queries For Menus	
Media Queries For Columns	
Responsive Images	
Responsive Videos	
Class Work	
Assignment	

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	Day I	
	Bootstrap Introduction	
	What is Bootstrap	
	Advantages of Bootstrap	
	Bootstrap History	
	Bootstrap competition	
	CDN Installation	
)8157	Self Hosting	
08157550744   info@softwareacademy.ng	Bootstrap Grid System	
44   ir	Containers	
nfo @:	Bootstrap Grid Classes	
softw	Dynamic Layout	
area	Design for desktop	
cader	Design for tablet	
ny.ng	Design for mobile	
	Nesting columns	
	Offsetting columns	15



Day I	
Gutters	
Horizontal Gutters	
Vertical Gutters	
Row column gutters	
No gutters	
Utilities	
Flexbox options	
Margin and padding	
Images, Tables, Figures	
Alerts, Badge, Breadcrumb, Buttons	

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Day 2	
Nav and tabs	
Base nav	
Horizontal Alignment	
Vertical Alignment	
Tabs	
Pills	
Fill and justify	
g Navbar	
A Navbar Image	
Navbar Image & Text	
Placement	
Default	
Fixed top	
Fill and justify Navbar Navbar Image Navbar Image & Text Placement Default Fixed top Fixed bottom	
Sticky top	
Off Capyas	



Day 2		
Cards		
Kitchen Sink		
Card group		
Forms		
Form Control		
Select		
Checkbox		
Radio button		
Form Layout		
Accordion, Modal, Carousel		
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Day I	
Operating system	
Different types of operating system	
Server Os/Client Os	
How linux is the dominant OS in the server space	
Windows is the dominant OS in the client space	
Linux Commands	
Command Line Interface	
Difference between OS X prompt, Linux and Windows Prompt	
Linux command for listing Directories/files in a folder	
Linux command for listing hidden files	
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Day I	
Changing Directory	
Showing Current file path	
Command for creating a directory	
Command for moving out of a directory	
Command for creating a file	
Command for creating multiple folders at once	
Command for creating multiple files at once	
Command for renaming a folder	
Command for renaming a file	
Command for copying a file	
Command for copying a folder	
Command for copying multiple files at once	
Command for copying multiple folders at once	
Command for copying all files at once	
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Day I	
Command for moving a file	
Command for moving a folder	
Command for moving multiple files at once	
Command for moving multiple folders at once	
Command for moving all files at once	
Command for deleting a file	
Command for deleting a folder	
Command for deleting all files	
Git	
What is Github?	
Difference between Git and Github	
Create github account	
Class Work	
Assignment	
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Day 2	
Configure Git	
View git configuration	
git username configuration	
git email configuration	
Initializing your git repository	
Viewing .git folder	
Different ways to add files to repository	
Git commit	
Git branch concept	
Git branch creation	
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Day 2	
List branch	
Git checkout	
Renaming a branch	
Deleting a branch	
Merging a branch	
Git Log	
Resetting a repository	
Resetting a repository to a particular commit ID	
Gitignore concept	
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Day 2	
Create A remote repo	
Pushing local repo to remote	
Pulling remote repo locally	
Git Fetch	
Pushing a branch to remote	
Pulling a remote branch locally	
Creating Github pages	

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Day I		
Introduction		
Creating a Js file		
Js statements		
JS Syntax		
Comments		
Variables		
Let		
Const		
Operators		
Arithmetic		
Data types		
Class Work		
Assignment		
	53	20



Day 2	
Objects	
Events	
Strings	
String methods	
string Search	
Numbers	
Number methods	
JS Arrays	
JS Array Methods	
Array Const	
if, if else, if/elseif/else	
Switch	
Class Work	
Assignment	
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Day 3	
For loop	
loop for In	
loop for of	
loop while	
Break	
JS iterables	
JS Sets	
JS Maps	
JS Typeof	
JS Type Conversion	
Class Work	
Assignment	
	<b>5</b> <b>3</b> 1



Day 4	
Function	
What is a function	
Why function	
Function with no Parameters	
Function with Parameters	
Function with default values	
Function that returns a value	
The () Operator Invokes the Function	
Functions Used as Variable Values	
Local Variables	
ClassWork	
Assignment	

E



Day 5	
JavaScript Arrow Function	
Arrow Function With Parameters:	
Arrow Function Without Parentheses:	
Block Scope	
Local Scope	
Function Scope	
Global JavaScript Variables	
Global Scope	
Automatically Global	
JavaScript Declarations are Hoisted	
ClassWork	
Assignment	

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Day 6	
JavaScript Classes	
JavaScript Class Syntax	
Using a Class	
The Constructor Method	
Class Methods	
JavaScript JSON	
What is JSON?	
JSON Example	
The JSON Format Evaluates to JavaScript Objects	
JSON Syntax Rules	
JSON Data - A Name and a Value	
JSON Objects	
JSON Arrays	
Converting a JSON Text to a JavaScript Object	
Class Work	34



Day 7	
The HTML DOM (Document Object Model)	
The DOM Programming Interface	
The getElementById Method	
The innerHTML Property	
JavaScript HTML DOM Document	
The HTML DOM Document Object	
Changing HTML Elements	
Adding and Deleting Elements	
Adding Events Handlers	
Finding HTML Objects	
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Day 7
JavaScript HTML DOM Elements
Finding HTML Elements
Finding HTML Element by Id
Finding HTML Elements by Tag Name
JavaScript HTML DOM - Changing HTML
Changing HTML Content
Changing the Value of an Attribute
Dynamic HTML content
ClassWork
Assignment

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Day 8	
JavaScript Forms	
JavaScript Form Validation	
JavaScript Can Validate Numeric Input	
Automatic HTML Form Validation	
Data Validation	
HTML Constraint Validation	
Constraint Validation CSS Pseudo Selectors	



Day 8	
JavaScript Changing CSS	
Changing HTML Style	
Using Events	
DOM Animations	
DOM Events	
DOM Event Listener	
DOM Navigation	
ClassWork	
Assignment	





Day I	
Introduction to React, What is React, Why React was built	
- what is react	
- advantages	
Environment Setup	
- Installation : Node.js, Create-React-App	
- How to use Nodejs and Package managers (NPM, YARN)	
-understanding Webpack	
-understanding Folder structure with Create-react-app	
Class Work	
Assignment	

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Day 2	
Rendering UI with React	
- Identify functional JavaScript concepts in React to render UI	
- Components and its types	
- Creating Components	
- Nesting Components	
Class Work	
Assignment	

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#### Day 3

#### - Understanding Props and State

-How to use state within the different types of components

- Creating Dynamic UI with state and props

- passing data between react component - Parent, Child , Siblings

Styling a component

Class Work

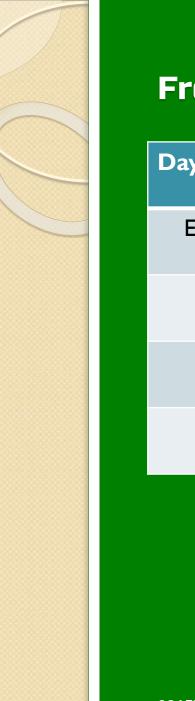
Assignment





Day 4	
State Management, Forms and User Interaction	
-conceptualizing lifecycle of a component	
-handling forms with state binding	
- input events	
- crud operations using props and states.	
- understanding controlled and uncontrolled input	





#### Day 5

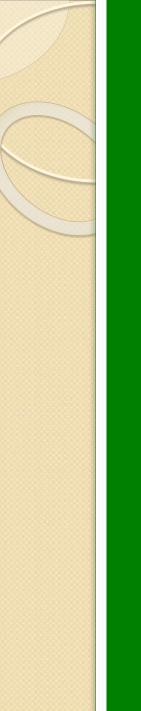
Explain how Hooks in React enable state and lifecycle in functional components

Use React useState hook to manage state

Introduction to Promises

Use React useEffect hook for HTTP requests and side effects using fetch ,axis





#### Day 6

#### Manage App Location with React Router

- Use React Router to add different routes to applications
- Use state to dynamically render a different "page"
- Use React Router's route component
- Use React Router's link component

