

15 Sessions. 2 h/s

- S1 (Intro to Front-End Web Development)
 - What's Web, Internet and www
 - What's a website ?
 - What's a browser ? What are its main tasks ?
 - What is HTML ? How does it get transformed into a website ?
 - What is CSS ?
 - Browser engines to draw HTML/CSS code
 - What's JS ? Engine to understand it in the browser ?
 - Github

Task 1 Download the VS code and the Extinctions and create a github account

- S2 (HTML)
 - Basics and how to run an HTML page
 - HTML Tag
 - Important tags
 - Attributes

Task 2 Make a simple About me website

- S3 (CSS - I)
 - Where to write the CSS code
 - Inline
 - Internal
 - External
 - Basic CSS Rules Syntax
 - Background
 - Multiple background
 - Color
 - Opacity
 - CSS gradients
 - Text Styling
 - Font size
 - Font Family
 - Text decoration
 - Font weight
 - Text transaction
 - Text color
 - Styling links
 - Letter spacing & line height
 - Paragraph spacing

Task 3 Style Task 2

- S4 (CSS - II)
 - CSS Selectors
 - Targeting element by id or by classes (CSS Selectors)
 - CSS conflicts
 - Selector Specificity
 - Targeting multiple elements
 - Descendant Selectors
 - Adjacent Selectors
 - Attribute Selectors
 - Hover, Active , visited effects (pseudo-class)
 - First, last and Nth child selectors
 - Universal selector
 - Box model
 - Padding
 - Margin
 - Borders
 - Block level element
 - Width and height
 - Rounded corners
 - Box shadow
 - Positions

Task 4 Start to make A responsive website about any idea u have

- S5 (CSS - III)
 - Flex box
 - CSS var
 - Animation
 - BootStrap

Task 5 Add some animation to your website

- S6 (JS - I)
 - Hello world
 - Where to put the js
 - Google dev tools
 - Basic syntax
 - Js vars
 - Basic math operations
 - Logging to console
 - Boolens
 - If & if else
 - Comparing operation
 - Logical operation
 - While loop
 - For loop
 - Break and continue

- S7 (JS - II)
 - Functions
 - Var scopes
 - Numbers
 - NAN
 - Strings
 - Slice and Split string
 - Array

Task 6 Start to make the Calculator

- S8 (JS - III)
 - Intro to objects
 - Creating new js object
 - This keyword
 - constructor functions
 - The data objects
- S9 (JS - IV) (important)
 - Arrow functions
 - Classes
 - Promises
 - async/await
 - Try..catch..throw
 - Destructuring
 - High-level array functions (map - reduce - filter)

Task 7 Make a timer

- S10 (JS - V)
 - What is the dom
 - Traversing the dom
 - Changing the page content
 - Changing element attributes
 - Add element to the Dom
 - Removing element from the dom
- S11 (JS - VI)
 - Versions of JS and Browser support
 - Transpiling Modern JS code using babel
 - Bundling Multiple JS files using Webpack

- S12 (JS - VII)
 - Introduction to package management
 - NPM
 - Initializing npm project
 - package.json
 - Npm packages
 - require and import
- S13(JS)
 - Make a Form website from scratch
- S14 (JS - VIII)
 - Any question about the final project
 - Project Responsive Portfolio website
 - Animations
 - Dark mode
 - Form page
 - Welcome page
 - Projects page
 - Skills page
 - Contact me page
 - Local storage for the dark mode