Week1

- History of html
- tags in html
- headings
- p
- hr
- br
- img
- link

- lists in html
  - ol,ul, dl
- sub items
- tables in html
- tr,td,thead,tbody
- comment in html and styling

- form
- inputs
- text, number, password, email, color, date, datetime-local, tel, file
- button register/input register
- button reset
- text area
- optional attr. required,max/min length, min, max, placeholder, readonly, disabled
- can i use site
- radio/checkbox btns
- select options

Week2

- Intro to CSS
- CSS roles
- Inline Style
- Internal Style
- External Style
- CSS class vs id
- Cascading
- Height/ Width - min/max height/width
- priority
- Table vs div
- span
- Inline vs block tags (how to change by CSS)

- Font props.
  - Font-size, weight, family, style

- Text props
  - color, text-align, text-align-last, text-decoration, text transform, text-indent, letter-spacing, word-spacing, line-height, text-shadow

- Background props.
  - bgcolor, bg-img, bg-size, bg-repeat, bg-pos, bg-att
- border props.
  - style, width, color
  - border-radius

- float prop.

- Spacing
  - margin, padding

Week3

- Position
  - Static
  - Relative
  - Absolute
  - Fixed
- z-index
- CSS Pseudo-elements
  - first-line
  - first-letter
  - before
  - after
  - marker
  - selection
- overflow
- visibility, opacity, display
- Pseudo-class
  - hover
  - focus
  - checked
  - first-child
  - first-of-type
  - last-child
  - last-of-type
- transition
- transform
- box-sizing
- media query
- media query breakpoints
- animation keyframes
- shadow, gradient
- CSS Combinators
- CSS Units

Week4

- display: flex
  - flex-wrap
  - flex-direction
  - flex-flow
  - justify-content
  - align-items
  - align-content
  - _____
  - order
  - flex-grow
  - flex-shrink
  - flex-basis
  - Align-self
- Froggy game 🐸
- Typing effect
- CSS variables
- CSS calc
- CSS prefix
- Semantic Tags
- Id
- Bootstrap intro

Week5

- Bootstrap Utilities
- Bootstrap Grid System
- Gutter and offset
- Custom Attr
- How gutter works
- Bootstrap Carousel
- Bootstrap Navs&Tabs
- Meta tags
- SVG

Week6

- JS Intro
- Why JS?
- Where to write JS?
- JS Output
- Semicolon & Comment
- JS Variables
- Datatypes (Primitive - Non-Primitive)
- JS is Loosely and dynamically Datatype
- Concatenation
- If & else if condition
- Switch Case
- For loop
- While & do while loop
- Implicit Conversion

Week7

- Comparison

- Functions
- Function return
- Objects
- Built-in Objects
- Arrays
- Array Methods
- Functions are first class object
- Stack VS Heap
- CRUD Intro

Week8

- CRUD (Design)
- CRUD (Add Product)
- CRUD (Display Products)
- CRUD (Delete Product)
- CRUD (Update Product)
- CRUD (Search about Product)
- String Methods
- Reset Form
- Use id instead of index

Week9

- DOM
  - Select Element
  - Add Event
  - Events
  - Set Action
  - Change HTML
  - Change CSS
  - Fire Ex.
  - Random background-color Ex.
  - DOM Slider Ex.

- AJAX
  - AJAX Intro
  - ActiveXObject
  - XMLHttpRequest
  - How to use XMLHttpRequest
  - JSON Placeholder
  - NewsAPI

Week10

- **AJAX**
  - CallBacks
  - Promises
  - Async
  - Await
  - Fetch
- **ES6**
  - usestrict
  - scope
  - var, let, const
  - Default parameters
  - Destructing
    - Object
    - Array
  - Spread operator
  - This
  - Arrow function
  - Array methods
    - filter
    - map
    - reduce
- **OOP**
  - Intro
  - OOP Class based
  - OOP Prototype based
  - Prototypal inheritance
  - Constructor Function
  - ES Syntactic sugar
  - Class
    - Class inheritance
  - Constructor
  - Module
  - Import, Export

Week11

- **ES6**
  - **Map**
  - **Set**
- **Closure**
- **DOM**
  - **Children**
  - **childElementCount**
  - **childNodes**
  - **nextSiblings**
  - **prevSiblings**
  - **nextElementSibling**
  - **previousElementSiblings**
  - **parentElement**
  - **Create Element**
- **setInterval**
- **setTimeout**
- **BOM**
  - **window**
  - **screen**
  - **history**
  - **location**
- **jQuery**
  - **Intro**
  - **jQuery Effects**
  - **Events**
  - **.animate**
  - **.stop(stopAll?, goToTheEnd?)**
  - **jQuery Setters& Getters**
  - **jQuery HTML**
  - **jQuery CSS**
  - **jQuery Dimensions**
    - **.width()**
    - **.innerWidth()**
    - **.outerWidth()**
    - **.outerWidth(true)**

Week12

- **jQuery traversing**
- **jQuery Events**
  - Mouse Events
  - Keyboard Events
  - Form Events
  - Document/Window Events
- **jQuery Exercise**
- **Plugins**
  - Skitter Slider
  - Slick Slider
  - Owl Carousel
  - Typed.js
  - WOW.js
  - Sweet Alert
  - Particles.js
  - Parallax
- **Intro to NPM**