UI/UX Designing

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1. HTML 4 and HTML 5

Introduction of HTML
Tag, Elements and Attributes
Basics syntax
Table
List
Forms
Structure of HTML4 and HTML5
Semantic and non-semantic tags
HTML 5 Features
New Input type Forms Attribute
SVG
Canvas
Audio, Video Tag

2. CSS

Attributes (ID, Class, Style, Title)
CSS Types (Inline, Internal, External)
Box-model
Display Property (Block, Inline, None)
Visibility-Hidden
Position Property(Static, Relative, Absolute, Fixed)
 Z-index Property
Combinators (Child Selector,Adjacent Sibling Selector
Descendant Selector, General Sibling Selector)
CSS Pseudo-classes (Visited, Hover,Link,,Active)
CSS Pseudo-elements (Selection,First Letter,First Line, Before After)
K. Static Web Page
Viewport Meta tag

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3. CSS 3

Background, Multiple Backgrounds
Font Related Features (online fonts)
Text-Effect and Box-Effect
Gradients-Line a and Radial
Transition
Transformation
Animation
Media Queries

4. JavaScript

Introduction of JavaScript
Use of JavaScript
Variables
Keywords
Data Type (Primitive, non-primitive)
JS Conditions (if, if-else)
Conditional operators & logical operators
Loops (for, while, do-while)
Switch Case www.sevenmentor.com
Functions
SetTimeout and set Interval Function
HTML DOM
object to access and manipulate HTML using the document
Changing HTML Elements
Adding and Deleting Elements
Array
Objects
way to access Objects (bracket Notation,Dot Notation)
way to create Object (, Literal Way,Empty Object Constructor Way)
Prototype
Validations
Events

jQuery – Basics
String
Numbers
Boolean
Objects
Arrays
Functions
Arguments
Scope
Built-in Functions

jQuery – Selectors
jQuery – CSS Element Selector and ID Selector
jQuery – CSS Element Universal Selector AND Class Selector
jQuery – CSS Multiple Elements like E, F, G Selector
jQuery Callback Functions

jQuery – DOM Attributes
Get Attribute Value
Set Attribute Value

jQuery – DOM Traversing
Find Elements by index
Filtering out Elements
Locating Descendent Elements
JQuery DOM Traversing Methods

JQuery – CSS Methods
Apply CSS Properties and Multiple CSS Properties
Setting Element Width & Height
JQuery CSS Methods

jQuery – Effects
JQuery Effect Methods, Hide and Show
jQuery Toggle
jQuery Slide – slideDown, slideUp, slideToggle
jQuery Fade – fadeIn, fadeOut, fadeTo
jQuery Custom Animation
jQuery - chaining

jQuery – AJAX
load()
get()
post()
ajax()

jQuery – JSON
getJSON()

6. Bootstrap

What is Bootstrap Framework?
Why Bootstrap?
History of Bootstrap
Advantages of Bootstrap Framework
What is Responsive web page?
Major Features of Bootstrap?
What is Mobile-First Strategy?
Setting up Environment
How to apply Bootstrap to Applications

Ways to display images in various styles
Way to display text like warning and muted?
Regarding Carets Classes?
How to show or hide the text in Bootstrap

Bootstrap Grid

What is Bootstrap Grid?
How to apply Bootstrap Grid
What is Container?
What is Offset Column?
How to Reordering Columns?
Advantages of Bootstrap Grid?
How to Display responsive Images?
How to change class properties?
How to use readymade themes?
What is Bootstrap Typography?
How to use Typography?
What is Bootstrap Tables?
What is Bootstrap Form Layout?
What is Bootstrap Button?

Bootstrap Components

What is Components of Bootstrap ?
Need of Bootstrap Components?
Benifits of Bootstrap Components
Types of Bootstrap Components
Glyphicons Component
Process to use Glyphicons Component?
Bootstrap Dropdown Menu Component?
What is Button Toolbar and Button Groups ?
Way to use Button Toolbar and Button Groups ?
Different Input Groups Components
What is Tabs Components   & Navigation Pills?
How to use Tabs Components and Navigation Pills ?
Navbar Component
Process to build a Responsive Navbar?
How to controls to Navbar and other Add Forms
How to Fix the position of navbar?
What is Breadcrumb Component?
What is Pagination Component?
How to apply Pagination in Application?

What is Labels / Badge Components?
What is Jumbotron / Page Header Components?
What is Thumbnail Component?
What is Alerts & Dismissible Alerts?
How to Create Progress Bar?
What is Media Objects Component?
Why Media Objects Component?
How to use Media Objects Component?
What is Bootstrap List Group Component?
What is Bootstrap Panel Component?

Bootstrap Plug-Ins

What is Bootstrap Plug-Ins
Why Bootstrap Plug-Ins?
How to use Bootstrap Plug-Ins
What is Transition Plug-in?
What Modal Dialog Box?
What are the different Properties, Methods and Events of
 Modal Dialog Box?
What is Scrollspy Plug-In?
What is Tab Plug-in?
How to use Tab Plug-in?
What is Drop down Plug-in?
What is Tooltip Plug-in?
How to use Button Plug-in?
What are the different methods and events of Tooltip Plug-in?
What is Popover Plug-in?
What is alert and Button Plug-ins?
What is Collapse Plug-in?
Types of Methods ,Properties and Events of Collapse Plug-in?
What is Carousel Plug-in?
What is Affix Plug-in?

7. Photoshop

Black & White to Colour
Day To Night
Restoration
Image Manipulsion
Double Exposure
Gradient Effect
Digital Painting
Poster Design
Social Media Post
Typography
Matte Painting
GIF
Logo

8. Illustrator

Workspace overview of Adobe Illustrator
Illustrations
Masking and wraping
Working with text (Typography)
Understanding Effects & Filters (Logo)
Create layouts with using perspectives
Color the illustrations by using flat color and gradients
Logo Designing
Design - Magazine cover
Design - Advertisement -1(News Paper, Branding)
Design - Flyer (Product Launch)
Printing techniques

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9. Adobe XD

Introduction to UX
Getting started
What is UI vs UX
The UX brief & persona
Wireframing (low fidelity)
How wide for my website
Free UI Icons
Footer & Lorem Ipsum
New Pages & Artboards
Class Project 01 - Wireframe
Prototyping & Interactivity
Create a Popup Modal
Class Project 02 - Prototype
Groups & Isolation Mode
How to use symbols
Production Video - Left Nav
Navigation Tips and Tricks
Class Project 03 - Symbols
Mocking Up an app
XD App on your phone
iPhone & Android status icons
Fixing the position
Production Video - Login
Sharing wireframes
Recording your interactions
Class Project - Wireframe feedback

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