

# UI/UX Designing



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SevenMentor  
PVT.LTD

## 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



### 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](http://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



## 5. jQuery

### **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?  
Benefits 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 wrapping
- 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





## 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



## 10. Figma

Introduction

Overview of Figma Features

What is User Experience Design?

Overview of the Design Process

Getting Started with Figma

Navigating the Figma User Interface

Designing a Web Application

Working with UI Elements and Content

Making a Design Responsive

Exporting the Design

Reusing Design Elements

Creating a Portfolio Project

Managing Requirements

Best Practices for Delivering a Polished Design

