**To-Do Task**

**Introduction**

To Do List is a software in the category of Task Management, Project Management, Productivity, “Getting Things Done” (GTD), Scheduling, and Collaboration.

We can add list of what we want to do. We can remove the task once we do the task.

The purpose of this document is to present a detailed description of the simple to-do list creation using AngularJS , HTML5, CSS3.

**HARDWARE DETAILS:**

Processor : Intel(R) Pentium(|R)CPU N3700 @ 1.60GHz 1.60GHz

RAM : 4.00 GB

Hard Disk : 2 GB

**SOFTWARE DETAILS:**

Operating System: Windows

Web Browsers: Chrome, IE, Firefox

Web Server: Apache 2.0

Front End:HTML5, CSS3,AngularJS,Bootstrap

**Angular JS:**

AngularJS is a very powerful JavaScript library. It is used in Single Page Application (SPA) projects. It extends HTML DOM with additional attributes and makes it more responsive to user actions. AngularJS is open source, completely free, and used by thousands of developers around the world. It is licensed under the Apache license version 2.0.

AngularJS is distributed as a JavaScript file, and can be added to a web page with a script tag:

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

**HTML5:**

HTML5 is the next major revision of the HTML standard superseding HTML 4.01, XHTML 1.0, and XHTML 1.1. HTML5 is a standard for structuring and presenting content on the World Wide Web.

HTML5 is a cooperation between the World Wide Web Consortium (W3C) and the Web Hypertext Application Technology Working Group (WHATWG).

The new standard incorporates features like video playback and drag-and-drop that have been previously dependent on third-party browser plug-ins such as Adobe Flash, Microsoft Silverlight, and Google Gears.

**CSS3:**

CSS stands for Cascading Style Sheets. CSS is a standard style sheet language used for describing the presentation (i.e. the layout and formatting) of the web pages.

Prior to CSS, nearly all of the presentational attributes of HTML documents were contained within the HTML markup (specifically inside the HTML tags); all the font colors, background styles, element alignments, borders and sizes had to be explicitly described within the HTML.

As a result, development of the large websites became a long and expensive process, since the style information were repeatedly added to every single page of the website.

**Files:**

1)Index.html

2)todo.js

3)style.css

**Code:**

Index.html ::

1)add an input box

2)add Two button.One for add item,other for remove item from the list.

3)add a list to list the items we add.

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <link rel="stylesheet" href="style.css">

    <title>Task Manager</title>

</head>

<body>

    <div id="container">

        <div class="controls">

            <h1 id="h1">Task Manager</h1>

            <input type="text" name="" id="input"><br> //add input box

            <button type="button" id="add">Add</button>  //add button

            <button type="button" id="remove">Remove</button>  //remove button

        </div>

        <ul id="list">

            <li class="mycheck"><input type="checkbox" id="check"><label >

                Teachng</label></li>

            <li class="mycheck"><input type="checkbox" id="check"><label >

                class

            </label></li>

            <li class="mycheck"><input type="checkbox" id="check"><label >

                shopping</label></li>

        </ul>

    </div>

    <script src="todo.js"></script>

</body>

</html>

**Style.css**

**Here style the html elements.**

body{

    background-color: white;

}//to set background color of body

#h1

{

    color: brown;

    text-decoration-color: brown;

}//to set color of text (head line)

#container {

    background:white;

    width: 500px;

    height: auto;

    margin: 0 auto;

    text-align: center;

    height: 800px;

    overflow: auto;

    color: black;

    border: 10px white;

    border-radius: 10px;

}

**Todo.js**

var ul = document.getElementById('list')    //line 1

var li;

var addButton = document.getElementById('add')  //line 2

addButton.addEventListener("click",addItem)

function addItem(){                         //line 3

    var input = document.getElementById('input')        //line 4

    var item = input.value;             //line 5

    var textNode = document.createTextNode(item)    //line 6

    if (item == '') {       //line 7

        msg= "Enter your Task"

        alert(msg)

        return false

    } else {                //line 8

        li = document.createElement('li')       //line 9

        let checkbox = document.createElement('input')         //line 10

        checkbox.type = 'checkbox'              //line 11

        checkbox.setAttribute('id','check')         //line 12

        let label = document.createElement('label')         //line 13

        ul.appendChild(label)                       //line 14

        li.appendChild(checkbox)

        label.appendChild(textNode)

        li.appendChild(label)

        ul.insertBefore(li, ul.childNodes[0])

        setTimeout(()=>{

            li.className = 'visual'

        },5)

        input.value = " "               //line 15

    }

}

var removeButton = document.getElementById('remove')        //line 16

removeButton.addEventListener("click",removeItem)       //line 17

function removeItem(){              //line 18

    li=ul.children

    for (let index = 0; index < li.length; index++) {   //line 19

        const element = li[index];              //line 20

        while(li[index] && li[index].children[0].checked){      //line 21

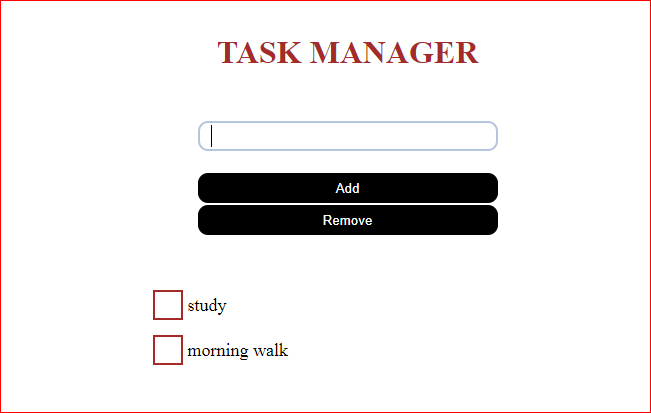
            ul.removeChild(li[index])

        }

    }

}

**The output is :**

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