**Java script mini project.**

**TO DO LIST**

* Create HTML file
* Create CSS file
* Create JS file

**HTML file**

* File name = DO DO LIST
* Create link that sends us to the CSS file for styling
* Inside the <head> tag, underneath the <title> tag
* <link rel = “stylesheet” href = “style.css”>
* Create link that sends us to the JS file
* Inside the <body> tag, right above the </body>
* <script src =”script.js”> </script>

For this project, we want to have a space where the list appears and a way to dynamically add to the list even after the list has been created.

<!DOCTYPE html>

<html lang = "en">

    <head>

        <meta charset = "UTF-8"/>

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

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

        < title>  TO DO LIST </title>

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

    </head>

    <body>

        <div class ="list-container">

        <h2>  My To Do List</h2>

        <ul id=""list" ></ul>

        <form>

            <label for="new to-do"> New item: </label>

            <input type ="text" id ="new-todo" name="new-todo"/>

            <button type ="button" onclick="addTodo()"> Create</button>

        </form>

        </div>

        <script src="script.js"></script>

    </body>

</html>

**Comments**

<div class ="list-container"> **is where the list is gonna be located**

        <form>

            <label for="new to-do"> New item: </label>

            <input type ="text" id ="new-todo" name="new-todo"/>

            <button type ="button" onclick="addTodo()"> Create</button>

        </form>

**Is where the user can add to the list. We don’t have to put all that inside the list-container but it’s a choice.**

**CSS File**

.list-container {

    display: flex;

    flex-direction: column;

    align-items: center;

}

**Comments**

**We write all of those tags to center all the elements of the list**

**JS file**

function addTodo () {

    const todoElement = document.getElementById ("new-todo");

    const todo = todoElement.value;

    todoElement.value = "";

    if (todo.length < 3) {

        return alert ("You must have at least 3 characters for your to do.")

    }

    const list = document.getElementById ("list");

    const li = document.createElement ("li");

    const text = document.createTextNode (todo);

    li.setAttribute ("onclick", "this.remove")

       .remove();

    li.appendChild (text);

    list.appendChild (li);

}

**Comments**

**We grab the value of the text input field that we want**

    const todoElement = document.getElementById ("new-todo");

**To make sure the user actually writes down an item, we have an alert**

if (todo.length < 3) {

        return alert ("You must have at least 3 characters for your to do.")

    }

**We want to grab whatever the value (item) is and add it to the list**

const list = document.getElementById ("list");

**to add to the list we will have an li element and we want a button associated with it to where when we press the button, the item will be removed**

const li = document.createElement ("li");

const text = document.createTextNode (todo);

**we also want to insert the text inside of my li**

    li.appendChild (text);

**Then we want to take this li element const li = document.createElement ("li"); and insert it into the list**

list.appendChild (li);

**To clear up the field after we added the item to the list, we will add**

const todo = todoElement.value; This gets the value

todoElement.value = ""; This clears the value

**To delete the elements**

    li.setAttribute ("onclick", "this.remove")

       .remove();