

Siddaganga Institute of Technology, Tumakuru-3

(An Autonomous institution affiliated to Visvesvaraya Technological University, Belagavi,
Approved by AICTE, New Delhi, Accredited by NAAC and ISO 9001:2015 certified)

Group Activity Report

on

To design the GROCERY LIST project using HTML, CSS & JavaScript

Submitted *in the partial fulfillment of the requirements for V semester: Web Technologies &*

Its Application Course

Bachelor of Engineering

in

Computer Science and Engineering

by

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Table of Contents

Contents	Page no
Chapter 1 Implementation	3-14
Chapter 2 Snapshots	15-17

CHAPTER 1

IMPLEMENTATION

Name of the Tool Used: Visual studio code

Code:

Html:

```
<!DOCTYPE html>

<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="main.css">

    <script src="https://kit.fontawesome.com/0615dc2069.js" crossorigin="anonymous"></script>

    <title>Grocery List</title>

</head>

<body style="background-image: url(downloadact2.jpg)">

    <div class="addItems-container">

        <h4 class="addItems-action">display action</h4>

        <h2 class="addItems-title">add grocery items</h2>

        <form action="">

            <input type="text" name="" id="" class="addItems-input">

            <button type="submit" class="addItems-submit">submit here</button>

        </form>

    </div>

    <div class="displayItems-container">

        <h4 class="displayItems-action">display action</h4>

        <h2 class="displayItems-title">grocery items</h2>

        <div class="grocery-list">
```

Grocery List

```
</div>

<button type="submit" class="displayItems-clear">clear items</button>

</div>

</div>

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

</body>

</html>
```

CSS:

```
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body{
    display: grid ;
    grid-template-columns: 80%;
    justify-content: center;
    margin-top: 3rem;
}

.addItems-container{
    background: #8bb381;
}

.addItems-container, .displayItems-container{
    margin: 1rem 0;
    padding: 2rem;
```

Grocery List

```
border-radius: 0.5rem;  
text-align: center;  
border: 2px solid #272932;  
box-shadow: 0 5px 10px #272932;  
}
```

```
.addItems-title, .displayItems-title{  
    text-transform: capitalize;  
}
```

```
.addItems-title{  
    color: #002c0c;  
}
```

```
.addItems-action, .displayItems-action{  
    border: 2px solid #004606;  
    padding: 0.5rem 0;  
    text-transform: capitalize;  
    border-radius: 0.5rem;  
    display: none;  
}
```

```
.addItems-input{  
    background: transparent;  
    border: none;  
    border-bottom: 5px solid #002c0c;  
    width: 100%;  
    font-size: 2rem;  
    padding: 0.5rem;
```

Grocery List

```
color: #002c0c;  
outline: none;  
text-transform: none;  
}  
  
.addItems-submit,.displayItems-clear{
```

```
display: block;  
width: 90%;  
margin: 2rem auto 0 auto;  
font-size: 1.5rem;  
border-radius: 0.5rem;  
cursor: pointer;  
text-transform: capitalize;  
outline: none;  
}
```

```
.addItems-submit{  
color: #002c0c;  
background: transparent;  
border: 3px solid #002c0c;  
transition: all 2s ease;  
}
```

```
.addItems-submit:hover{  
background: #002c0c;  
color: #272932;  
}
```

```
.displayItems-container{
```

Grocery List

```
background: #8bb381;  
}
```

```
.displayItems-title{  
color: #002c0c;  
margin-bottom: 0.25rem;  
}
```

```
.grocery-item{  
display:grid;  
grid-template-columns: 4fr 1fr;  
align-items: center;  
border-radius: 0.5rem;  
padding: 0.5rem;  
transition: all 1s ease-in-out;  
margin: 0.5rem 0;  
}
```

```
.grocery-item:hover{  
background: #002c0c;  
}
```

```
.grocery-item__title{  
text-align: left;  
margin-left: 0.5rem;  
font-size: 1.2rem;  
text-transform: capitalize;  
color: #272932;  
}
```

Grocery List

```
.grocery-item__link{  
    color: red;  
    transition: all 2s linear;  
}  
  
.grocery-item:hover .grocery-item__link{  
    transform: scale(2);  
}  
  
.displayItems-clear{  
    color: #7ca587;  
    background: transparent;  
    border: 3px solid #002c0c;  
    transition: all 2s ease;  
}  
  
.displayItems-clear{  
    background: #002c0c;  
    color:#272932;  
    outline:none;  
    background: transparent;  
}  
  
/*Add utility action classes */  
.alert{  
    color: red;  
    border-color: red;  
    display: block;  
    margin-bottom: 0.5rem;
```

Grocery List

```
}
```



```
.success{
```



```
    color:#002c0c;
```



```
    border-color: #002c0c;
```



```
    display: block;
```



```
    margin-bottom: 0.5rem;
```



```
}
```

```
@media screen and (min-width: 768px){
```

```
    body{
```



```
        grid-template-columns: 50%;
```



```
    }
```



```
}
```

Java Script:

```
//Selection items from the DOM
```

```
//Add items container
```

```
const addItemsAction = document.querySelector('.addItems-action');
```

```
const input = document.querySelector('.addItems-input');
```

```
const submit = document.querySelector('.addItems-submit');
```

```
//Display items container
```

```
const list = document.querySelector('.grocery-list');
```

```
const displayItemsAction = document.querySelector('.displayItems-action');
```

```
const clear = document.querySelector('.displayItems-clear');
```

```
//Add event listeners
```

```
//Submit listener
```

Grocery List

```
submit.addEventListener('click', addItem);

//Check for local storage

document.addEventListener('DOMContentLoaded', displayStorage);

//Clear list

clear.addEventListener('click', removeItems);

//Listen to list to delete individual items

list.addEventListener('click', removeSingleItem);

//functions

function addItem(event){

    event.preventDefault();

    let value = input.value;

    if (value === ""){

        showAction(addItemsAction, 'Please add grocery item', false);

    } else {

        showAction(addItemsAction, `${value} added to the list`, true);

        createItem(value);

        updateStorage(value);

    }

}

function showAction(element, text, value){

    if (value === true){

        element.classList.add('success');

        element.innerText = text;

        input.value = "";

        setTimeout(function(){

            element.classList.remove('success');

        })

    }

}
```

Grocery List

```
}, 3000)

} else {

    element.classList.add('alert');

    element.innerText = text;

    input.value = "";

    setTimeout(function(){

        element.classList.remove('alert');

    }, 3000)

}

}

// create item

function createItem(value){

    let parent = document.createElement('div');

    parent.classList.add('grocery-item');

    // let title = document.createElement('h4');

    // title.classList.add('grocery-item__title');

    parent.innerHTML = `<h4 class="grocery-item__title">$ {value}</h4>

<a href="#" class="grocery-item__link">

    <i class="far fa-trash-alt"></i>

</a>`


    list.appendChild(parent);

}

//update storage

function updateStorage(value){
```

Grocery List

```
let groceryList;

groceryList = localStorage.getItem('groceryList') ? JSON.parse(localStorage.getItem('groceryList')) : [];

groceryList.push(value);

localStorage.setItem('groceryList', JSON.stringify(groceryList));

}

//display items in local storage

function displayStorage(){

let exists = localStorage.getItem('groceryList');

if(exists){

let storageItems = JSON.parse(localStorage.getItem('groceryList'));

storageItems.forEach(function(element){

createItem(element);

}))



}

}

//remove all items

function removeItems(){

//delete from local storage

localStorage.removeItem('groceryList');

let items = document.querySelectorAll('.grocery-item');

if(items.length > 0){

//remove each item from the list

showAction(displayItemsAction, 'All items deleted', false);

}

}
```

Grocery List

```
items.forEach(function(element){  
    list.removeChild(element);  
})  
}  
}  
  
//remove single item  
  
function removeSingleItem(event){  
    event.preventDefault();  
  
    let link = event.target.parentElement;  
    if(link.classList.contains('grocery-item__link')){  
        let text = link.previousElementSibling.innerHTML;  
        let groceryItem = event.target.parentElement.parentElement;  
        //remove from list  
  
        list.removeChild(groceryItem);  
        showAction(displayItemsAction,`${text} removed from the list`, true);  
  
        //remove from local storage  
        editStorage(text);  
    }  
}  
  
function editStorage(item){  
    let groceryItems = JSON.parse(localStorage.getItem('groceryList'));
```

Grocery List

```
let index = groceryItems.indexOf(item);

groceryItems.splice(index, 1);

//first delete existing list

localStorage.removeItem('groceryList');

//add new updated/edited list

localStorage.setItem('groceryList', JSON.stringify(groceryItems));

}
```

CHAPTER 2

SnapShot

Input:



Grocery List

The image consists of a 3x4 grid of screenshots from a grocery list application, set against a background of a supermarket aisle with a shopping cart.

Screenshot 1: Shows the "Add Grocery Items" screen with the input field containing "Ice Creams".

Screenshot 2: Shows the "Grocery Items" screen with items "Pizza" and "Mocktail" listed, each with a red trash icon.

Screenshot 3: Shows the "Add Grocery Items" screen with the input field containing "Donuts".

Screenshot 4: Shows the "Grocery Items" screen with items "Pizza", "Mocktail", and "Ice Creams" listed, each with a red trash icon.

Screenshot 5: Shows the "Add Grocery Items" screen with the input field empty.

Screenshot 6: Shows the "Grocery Items" screen with items "Mocktail" and "Ice Creams" listed, each with a red trash icon. A message "Mocktail Removed From The List" is displayed above the list.

Screenshot 7: Shows the "Grocery Items" screen with items "Pizza" and "Ice Creams" listed, each with a red trash icon.

Grocery List

Output:

