**AIM:**

DEVELOP APPLICATION TO DEMONSTRATE APPLICATIONS OF JQUERY

To create a simple to-do application using jQuery

**ALGORITHM**:

1. Create an HTML form with fields for Name, Email, Phone, Gender, Country, Service Needed, Needed Within, Upload Project Requirement Specifications, and Message (optional).
2. Add error messages below each field to display validation errors.
3. Write a JavaScript function validateForm() to validate the form fields.
4. In validateForm(), reset any existing error messages using resetErrors().
5. Check if the Name field is empty or contains only whitespace. If so, display an error message.
6. Check if the Email field is a valid email address. If not, display an error message.
7. Check if the Phone field is a valid 10-digit phone number. If not, display an error message. Check if a Gender and Country have been selected. If not, display an error message. If all checks pass, display a success message and submit the form.

**CODE:**

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>TASK MANAGER</title>

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

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

</head>

<body>

<h1>MY TO-DO TASK MANAGER</h1>

<button id="add-task-btn">ADD TASK</button>

<button id="del-task-btn">DELETE TASK</button>

<button id="show-task-btn">SHOW ALL TASKS</button>

<div id="add-container" style="display: none">

<label for="task-no">TASK NO </label>

<input type="number" name="task-no" min="1" id="task-no" /><br />

<label for="task-name">TASK-NAME </label>

<input type="text" name="task-name" id="task-name" /><br />

<label for="task-date">TASK-DATE </label>

<input type="date" name="task-date" id="task-date" /><br />

<button id="s1">Submit</button>

<input

id="cancel"

type="button"

value="Cancel"

onclick="HideContainer('add-container','add-task-btn')"

/>

</div>

<div id="del-container" style="display: none">

<label for="del-task-no">TASK NO: </label>

<input type="number" name="task-no" min="1" id="del-task-no" /><br />

<button id="d1">Delete</button>

</div>

<div id="show-container" style="display: none">

<h4 id="tasks-to-do" style="display: none">TASKS TO DO</h4>

<p id="show-tasks"></p>

<button

id="close"

onclick="HideContainer('show-container','show-task-btn')"

>

Close

</button>

</div>

</body>

<script src="./script1.js"></script>

</html>

**script.js**

const inputArray = [];

//add task functions

$("#add-task-btn").click(function() {

ViewContainer("add-container", "add-task-btn");

HideContainer("show-container", "show-task-btn");

HideContainer("del-container", "del-task-btn");

});

$("#s1").click(function() {

const taskno = $("#task-no").val();

const taskname = $("#task-name").val();

const taskdate = $("#task-date").val();

const object1 = {

TaskNo: taskno,

TaskName: taskname,

TaskDate: taskdate,

};

inputArray.push(object1);

alert("YOUR TASK -" + taskname + "- DATED -" + taskdate + "- WAS CREATED");

HideContainer("add-container", "add-task-btn");

$("#task-no").val("");

$("#task-name").val("");

$("#task-date").val("");

});

// Displaying the tasks in table format

$("#show-task-btn").click(function() {

ViewContainer("show-container", "show-task-btn");

HideContainer("add-container", "add-task-btn");

HideContainer("del-container", "del-task-btn");

$("#tasks-to-do").show();

const showTasks = $("#show-tasks");

showTasks.empty();

for (let i = 0; i < inputArray.length; i++) {

showTasks.append(

"<table border='1'><tr><td>" +

inputArray[i].TaskNo +

"</td><td>" +

inputArray[i].TaskName +

"</td><td>" +

inputArray[i].TaskDate +

"</td></tr></table>"

);

}

});

//Delete task Button

$("#del-task-btn").click(function() {

ViewContainer("del-container", "del-task-btn");

HideContainer("show-container", "show-task-btn");

HideContainer("add-container", "add-task-btn");

});

$("#d1").click(function() {

const delTaskNo = $("#del-task-no").val();

for (let i = 0; i < inputArray.length; i++) {

if (inputArray[i].TaskNo == delTaskNo) {

inputArray.splice(i, 1);

alert("TASK NO " + delTaskNo + " WAS DELETED");

break;

}

}

HideContainer("del-container", "del-task-btn");

$("#del-task-no").val("");

});

function HideContainer(boxid, btnid) {

const box = $("#" + boxid);

const btn = $("#" + btnid);

box.hide();

btn.css("background-color", "");

btn.css("color", "");

}

function ViewContainer(boxid, btnid) {

const box = $("#" + boxid);

const btn = $("#" + btnid);

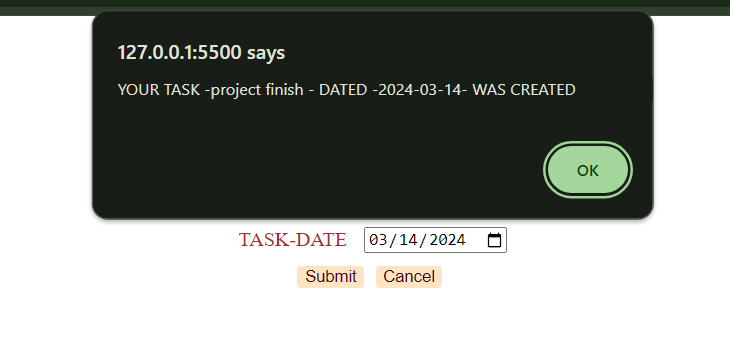
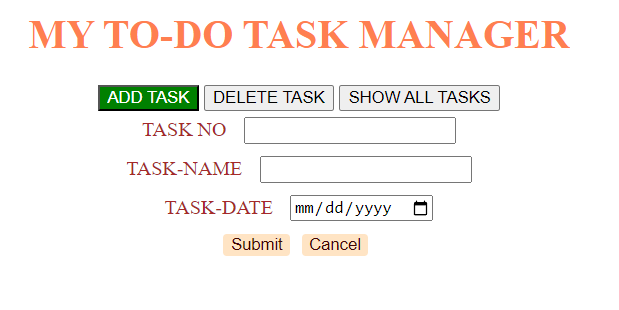
box.show();

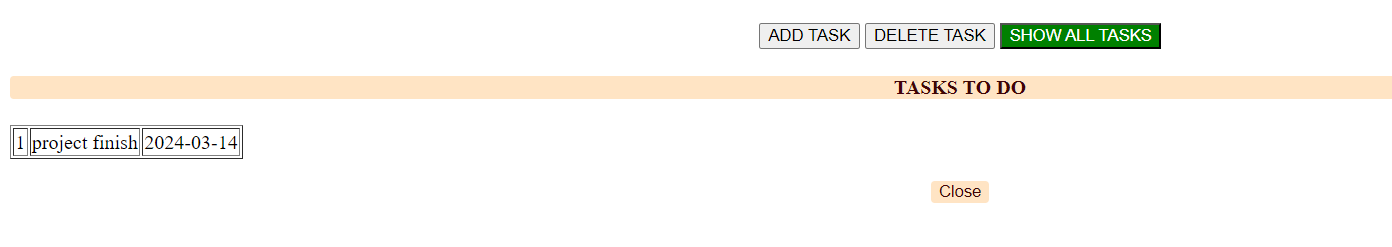
btn.css("background-color", "green");

btn.css("color", "white");

}

**TO-DO APPLICATION SCREEN SHOT**





**RESULT:** Thus, we have successfully created a to-do application using HTML5 and jQuery