<!DOCTYPE html>

<html>

<head>

<style>

.container {

border: 1px solid #ddd;

padding: 10px;

max-width: 500px;

margin: 0 auto;

}

.container h2 {

text-align: center;

}

table {

width: 100%;

border-collapse: collapse;

}

table, th, td {

border: 1px solid transparent; /\* Set border color to transparent \*/

padding: 8px;

}

input[type="text"] {

width: 100%;

}

select {

width: 100%;

}

.search-bar {

width: 100%;

padding: 8px;

margin-bottom: 10px;

}

.calendar-icon {

display: inline-block;

width: 16px;

height: 16px;

background: url(calendar-icon.png) no-repeat center;

background-size: contain;

cursor: pointer;

}

</style>

<link rel="stylesheet" href="https://unpkg.com/datepicker-js/dist/datepicker.min.css">

</head>

<body>

<div class="container">

<h2>Features</h2>

<table id="myTable">

<tr>

<th>Search</th>

<th>Firstname</th>

<th>Lastname</th>

<th>Age</th>

<th>Date</th>

<th>Time</th>

<th>Fruit</th>

</tr>

<tr>

<td><input type="text" class="search-bar" placeholder="Search..."></td>

<td><input type="text" class="textbox"></td>

<td><input type="text" class="textbox"></td>

<td>

<select class="dropdown">

<option value="0-17">0-17</option>

<option value="18-30">18-30</option>

<option value="31-45">31-45</option>

<option value="46+">46+</option>

</select>

</td>

<td>

<input type="text" class="textbox datepicker">

<span class="calendar-icon"></span>

</td>

<td><input type="text" class="textbox"></td>

<td>

<select class="dropdown">

<option value="Apple">Apple</option>

<option value="Banana">Banana</option>

<option value="Orange">Orange</option>

<option value="Grapes">Grapes</option>

</select>

</td>

</tr>

<tr>

<td><input type="text" class="search-bar" placeholder="Search..."></td>

<td><input type="text" class="textbox"></td>

<td><input type="text" class="textbox"></td>

<td>

<select class="dropdown">

<option value="0-17">0-17</option>

<option value="18-30">18-30</option>

<option value="31-45">31-45</option>

<option value="46+">46+</option>

</select>

</td>

<td>

<input type="text" class="textbox datepicker">

<span class="calendar-icon"></span>

</td>

<td><input type="text" class="textbox"></td>

<td>

<select class="dropdown">

<option value="Apple">Apple</option>

<option value="Banana">Banana</option>

<option value="Orange">Orange</option>

<option value="Grapes">Grapes</option>

</select>

</td>

</tr>

</table>

</div>

<script src="https://unpkg.com/datepicker-js"></script>

<script>

// Get the table cells and replace their content with input text boxes and dropdown lists

function addTextboxesAndDropdownsToTable() {

var table = document.getElementById("myTable");

var rows = table.getElementsByTagName("tr");

for (var i = 1; i < rows.length; i++) {

var row = rows[i];

var cells = row.getElementsByTagName("td");

for (var j = 0; j < cells.length; j++) {

var cell = cells[j];

var cellValue = cell.innerHTML.trim();

if (j === cells.length - 1) {

// Create a text box and a calendar icon

var input = document.createElement("input");

input.type = "text";

input.className = "textbox datepicker";

var calendarIcon = document.createElement("span");

calendarIcon.className = "calendar-icon";

cell.innerHTML = ""; // Clear the cell content

cell.appendChild(input);

cell.appendChild(calendarIcon);

} else {

// Create a text box or dropdown list based on the cell value

if (cellValue === "") {

var input = document.createElement("input");

input.type = "text";

input.className = "textbox";

cell.innerHTML = ""; // Clear the cell content

cell.appendChild(input);

} else {

var select = document.createElement("select");

select.className = "dropdown";

var options = [];

if (cellValue === "Age") {

options = ["0-17", "18-30", "31-45", "46+"];

} else if (cellValue === "Time") {

options = ["Morning", "Afternoon", "Evening", "Night"];

} else if (cellValue === "Fruit") {

options = ["Apple", "Banana", "Orange", "Grapes"];

}

for (var k = 0; k < options.length; k++) {

var option = document.createElement("option");

option.value = options[k];

option.text = options[k];

select.appendChild(option);

}

cell.innerHTML = ""; // Clear the cell content

cell.appendChild(select);

}

}

}

}

// Initialize datepicker

var datepickers = document.getElementsByClassName("datepicker");

for (var i = 0; i < datepickers.length; i++) {

new Datepicker(datepickers[i], {

format: 'yyyy-mm-dd',

startDate: new Date()

});

}

}

// Search bar input event listener

var searchBars = document.getElementsByClassName("search-bar");

for (var i = 0; i < searchBars.length; i++) {

searchBars[i].addEventListener("input", function() {

searchTable();

});

}

// Filter the table rows based on the search input

function searchTable() {

var inputs = document.getElementsByClassName("search-bar");

var table = document.getElementById("myTable");

var rows = table.getElementsByTagName("tr");

for (var i = 1; i < rows.length; i++) {

var row = rows[i];

var cells = row.getElementsByTagName("td");

var displayRow = false;

for (var j = 0; j < cells.length; j++) {

var cell = cells[j];

var input = inputs[j];

var filter = input.value.toUpperCase();

var txtValue = cell.textContent || cell.innerText;

if (txtValue.toUpperCase().indexOf(filter) > -1) {

displayRow = true;

break;

}

}

row.style.display = displayRow ? "" : "none";

}

}

// Call the function to replace table cell content with input text boxes and dropdown lists

addTextboxesAndDropdownsToTable();

// Calendar icon click event listener

var calendarIcons = document.getElementsByClassName("calendar-icon");

for (var i = 0; i < calendarIcons.length; i++) {

calendarIcons[i].addEventListener("click", function() {

var datePicker = this.previousElementSibling;

datePicker.focus();

});

}

</script>

</body>

</html>