Commented JS Code:

/\*Wi-Fi Data with Signal Strengths

const wifiData = "ITSIPL5:-51,AIRTEL\_9894780016:-60,ITSIPL9:-62,ITSIPL 7:-69,DHIL1508:-90";

const networks = wifiData.split(',').map(item => {

    const [name, strength] = item.split(':');

    return { name: name.trim(), strength: parseInt(strength.trim()) };

});

// Function to determine signal strength category

function getSignalStrengthCategory(dBm) {

    if (dBm <= -50 && dBm >= -60) {

        return "data:image/png;base64,";

    } else if (dBm <= -61 && dBm >= -67) {

        return "data:image/png;base64,";

    } else if (dBm <= -68 && dBm >= -75) {

        return "data:image/png;base64,";

    } else if (dBm <= -76 && dBm >= -84) {

        return 'data:image/png;base64,';

    } else {

        return "data:image/png;base64,";

    }

}

// Function to populate dropdown list with items

function populateDropdownList() {

    const dropdownList = document.getElementById('dropdownlist');

    networks.forEach(network => {

        const listItem = document.createElement('li');

        const image = document.createElement('img');

        image.src = getSignalStrengthCategory(network.strength);

        image.alt = "Signal Strength"; // Provide alt text for accessibility

        image.style.width = "20px"; // Adjust image width as needed

        listItem.textContent = network.name;

        listItem.appendChild(image);

        // Add click event listener to select network

        listItem.addEventListener('click', function() {

            selectNetwork(network.name);

        });

        dropdownList.appendChild(listItem);

    });

}

/\*Function to toggle dropdown visibility

function toggleDropdown() {

    const dropdown = document.getElementById('myDropdown');

    if (dropdown.style.display === "none" || dropdown.style.display === "") {

        dropdown.style.display = "block";

    } else {

        dropdown.style.display = "none";

    }

}

function toggleDropdown() {

    const dropdown = document.getElementById("myDropdown");

    dropdown.style.display = (dropdown.style.display === "none" || dropdown.style.display === "") ? "block" : "none";

}

function hideDropdown() {

    const dropdown = document.getElementById("myDropdown");

    dropdown.style.display = "none";

}

document.addEventListener("click", function(event) {

    var dropdown = document.getElementById("myDropdown");

    if (!event.target.closest('.dropdown')) {

        dropdown.style.display = "none";

    }

});

// Function to handle network selection

function selectNetwork(networkName) {

    console.log(`Selected network: ${networkName}`);

    const selectedNetworkName = document.getElementById('selectedNetworkName');

    selectedNetworkName.textContent = networkName.name;

            // Update selected network image

    const selectedNetworkImage = document.getElementById('selectedNetworkImage');

    selectedNetworkImage.src = getSignalStrengthCategory(networkName.strength);

    // Implement your selection logic here

    // For example, close dropdown and update UI accordingly

    toggleDropdown();

}

// Call function to populate dropdown list on page load

populateDropdownList();\*/