

Lightning Web Component Close Popovers Feature

The Context

Popovers are simple yet important part of any UI. They act as an informational dialog box or there can be a miniature input form as well. Since popovers are not active until users perform certain action like clicking a button, they stay on top of your page and whenever user clicks outside of the popover it gets disabled or closed. A common use case is where there is a data table and for each row of data, popovers are placed to showcase additional information. Initially they remain inactive but when user clicks a button, they become active. Our objective is to close popover when user clicks outside of its region.

Approach

- ◆ 'mouseenter' and 'mouseout' events are used to identify mouse clicks inside and outside the popover respectively.
- ◆ Toggle 'slds-hide' class on button click, since on page load popovers will remain hidden.
- ◆ Add an event listener on button click, which will listen for 'mousedown' event.
- ◆ Now whenever user clicks outside of the popover, 'mouseout' action (mouseOutHandler) will be called and a Boolean value will be set to indicate actions. You can either set mousein or mouseout.

```

//Function called when clicked outside of popover
mouseoutHandler(){
  this.mouseinpopover = false;
}

//Function called when clickd inside of popover
mouseenterHandler(){
  this.mouseinpopover = true;
}

```

```

handleClick(event){
  var recordId = event.target.dataset.recordId;
  var element = this.template.querySelector(`[data-id= '${recordId}' ]`);
  element.classList.toggle("slds-hide");
  document.addEventListener("mousedown", (e) => {
    if (!this.mouseinpopover) {
      var element = this.template.querySelector(`[data-id= '${recordId}' ]`);
      element.classList.add('slds-hide');
      document.removeEventListener("mousedown");
    }
  });
}

```

Example:

Output

Account Name	Account Number	Account Site	Annual Revenue	Email	Industry	Action
GenPoint						...
Ashin CA						...
Ashin JaPav				ashin.jaPav@gmail.com		...
lygh	14555		455		Biotechnology	...
Wheelworks						...
Northern Trail Cycling						...
Trail Blazers						...
Edge Communications	CC451796		13900000		Electronics	...
Burlington Textiles Corp of America	CC656062		15000000		Apparel	...
Pyramid Construction Inc.	CC213425		95000000		Construction	...

You can access code [here](#)

References

1. SLDS

popovers <https://www.lightningdesignsystem.com/components/popovers/>

2. SLDS data

tables <https://www.lightningdesignsystem.com/components/data-tables/>

3. **mouseleave** https://www.w3schools.com/jsref/event_onmouseleave.asp

4. **mouseenter** https://www.w3schools.com/jsref/event_onmouseenter.asp

5. **mousedown** https://www.w3schools.com/jsref/event_onmousedown.asp