**Accordions**

Accordions, or drawers, are used to reveal or hide sections of related information in a small amount of space. Accordions are displayed as a list of interactive headers. They allow a user to select a header and open the panel showing its contents. The user can then select the header again and close the panel. This creates an expanding and collapsing effect.The accordion organizes long or complex information which avoids overwhelming users with too much information at once.

**{Component in HTML/CSS and PrimeNG}**

**HTML**

    <div class="accordionBody">

        <button class="accordion">Accordion Header 1</button>

        <div class="panel">

            <h2>Panel 1</h2>

            <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et

                dolore magna aliqua.</p>

        </div>

        <button class="accordion">Accordion Header 2</button>

        <div class="panel">

            <h2>Panel 2</h2>

            <p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>

        </div>

        <button class="accordion">Accordion Header 3</button>

        <div class="panel">

            <h2>Panel 3</h2>

            <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."</p>

        </div>

    </div>

**CSS**

        .accordionBody {

            width: 50%;

        }

        .accordion {

            background-color: #6778b3;

            color: white;

            cursor: pointer;

            padding-top: 20px;

            padding-bottom: 20px;

            width: 100%;

            border: none;

            text-align: left;

        }

        .active,

        .accordion:hover {

            background-color: #2943d3;

            width: 100%;

        }

        .panel {

            padding: 0 18px;

            display: none;

            background-color: white;

        }

**Javascript**

        var acc = document.getElementsByClassName("accordion");

        var i;

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

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

            this.classList.toggle("active");

            var panel = this.nextElementSibling;

            if (panel.style.display === "block") {

              panel.style.display = "none";

            } else {

              panel.style.display = "block";

            }

          });

        }

(Code refactored from [W3 Schools](https://www.w3schools.com/howto/tryit.asp?filename=tryhow_js_accordion))

**{Code blocks for use}**

**When to use**

* To avoid overwhelming the user with a lot of content at once
* To use space efficiently
* When most users do not need all information on the page
* When users frequent a page and only need part of the content each time
* To let users stay within a single page for related content instead of requiring them to visit multiple pages

**When not to use**

* When all information on the page is crucial
* When there is not enough content to efficiently use an accordion
* Do not use accordions to split up questions – use separate pages or heading levels instead.
* Do not put accordions within an accordion

**Accessibility for Accordion**

* Set the heading levels of the interactive headers according to the logical order of the content of the page. For example, if the section header above the accordion is an H2, the accordion header should be an H3.
* Code the header area of the accordion as a <button type=”button”>.
* To communicate the state of the accordion panel, use [aria-expanded] on the button element.
* Give each panel a unique ID and name.
* Use Javascript when adding the hidden value to the component to show and hide the panels.

**Best practices for Accordion**

* Header portions should contain quick and concise information to advise the user of what the context panel will contain.
* Best used when trying to condense a lot of information, where not everything is applicable to the user.
* Accordions should be responsive for mobile consideration