{"version":3,"file":"scrollbar.js","sources":["../../src/util/scrollbar.js"],"sourcesContent":["/\*\*\n \* --------------------------------------------------------------------------\n \* Bootstrap (v5.2.0): util/scrollBar.js\n \* Licensed under MIT (https://github.com/twbs/bootstrap/blob/main/LICENSE)\n \* --------------------------------------------------------------------------\n \*/\n\nimport SelectorEngine from '../dom/selector-engine'\nimport Manipulator from '../dom/manipulator'\nimport { isElement } from './index'\n\n/\*\*\n \* Constants\n \*/\n\nconst SELECTOR\_FIXED\_CONTENT = '.fixed-top, .fixed-bottom, .is-fixed, .sticky-top'\nconst SELECTOR\_STICKY\_CONTENT = '.sticky-top'\nconst PROPERTY\_PADDING = 'padding-right'\nconst PROPERTY\_MARGIN = 'margin-right'\n\n/\*\*\n \* Class definition\n \*/\n\nclass ScrollBarHelper {\n constructor() {\n this.\_element = document.body\n }\n\n // Public\n getWidth() {\n // https://developer.mozilla.org/en-US/docs/Web/API/Window/innerWidth#usage\_notes\n const documentWidth = document.documentElement.clientWidth\n return Math.abs(window.innerWidth - documentWidth)\n }\n\n hide() {\n const width = this.getWidth()\n this.\_disableOverFlow()\n // give padding to element to balance the hidden scrollbar width\n this.\_setElementAttributes(this.\_element, PROPERTY\_PADDING, calculatedValue => calculatedValue + width)\n // trick: We adjust positive paddingRight and negative marginRight to sticky-top elements to keep showing fullwidth\n this.\_setElementAttributes(SELECTOR\_FIXED\_CONTENT, PROPERTY\_PADDING, calculatedValue => calculatedValue + width)\n this.\_setElementAttributes(SELECTOR\_STICKY\_CONTENT, PROPERTY\_MARGIN, calculatedValue => calculatedValue - width)\n }\n\n reset() {\n this.\_resetElementAttributes(this.\_element, 'overflow')\n this.\_resetElementAttributes(this.\_element, PROPERTY\_PADDING)\n this.\_resetElementAttributes(SELECTOR\_FIXED\_CONTENT, PROPERTY\_PADDING)\n this.\_resetElementAttributes(SELECTOR\_STICKY\_CONTENT, PROPERTY\_MARGIN)\n }\n\n isOverflowing() {\n return this.getWidth() > 0\n }\n\n // Private\n \_disableOverFlow() {\n this.\_saveInitialAttribute(this.\_element, 'overflow')\n this.\_element.style.overflow = 'hidden'\n }\n\n \_setElementAttributes(selector, styleProperty, callback) {\n const scrollbarWidth = this.getWidth()\n const manipulationCallBack = element => {\n if (element !== this.\_element && window.innerWidth > element.clientWidth + scrollbarWidth) {\n return\n }\n\n this.\_saveInitialAttribute(element, styleProperty)\n const calculatedValue = window.getComputedStyle(element).getPropertyValue(styleProperty)\n element.style.setProperty(styleProperty, `${callback(Number.parseFloat(calculatedValue))}px`)\n }\n\n this.\_applyManipulationCallback(selector, manipulationCallBack)\n }\n\n \_saveInitialAttribute(element, styleProperty) {\n const actualValue = element.style.getPropertyValue(styleProperty)\n if (actualValue) {\n Manipulator.setDataAttribute(element, styleProperty, actualValue)\n }\n }\n\n \_resetElementAttributes(selector, styleProperty) {\n const manipulationCallBack = element => {\n const value = Manipulator.getDataAttribute(element, styleProperty)\n // We only want to remove the property if the value is `null`; the value can also be zero\n if (value === null) {\n element.style.removeProperty(styleProperty)\n return\n }\n\n Manipulator.removeDataAttribute(element, styleProperty)\n element.style.setProperty(styleProperty, value)\n }\n\n this.\_applyManipulationCallback(selector, manipulationCallBack)\n }\n\n \_applyManipulationCallback(selector, callBack) {\n if (isElement(selector)) {\n callBack(selector)\n return\n }\n\n for (const sel of SelectorEngine.find(selector, this.\_element)) {\n callBack(sel)\n }\n }\n}\n\nexport default ScrollBarHelper\n"],"names":["SELECTOR\_FIXED\_CONTENT","SELECTOR\_STICKY\_CONTENT","PROPERTY\_PADDING","PROPERTY\_MARGIN","ScrollBarHelper","constructor","\_element","document","body","getWidth","documentWidth","documentElement","clientWidth","Math","abs","window","innerWidth","hide","width","\_disableOverFlow","\_setElementAttributes","calculatedValue","reset","\_resetElementAttributes","isOverflowing","\_saveInitialAttribute","style","overflow","selector","styleProperty","callback","scrollbarWidth","manipulationCallBack","element","getComputedStyle","getPropertyValue","setProperty","Number","parseFloat","\_applyManipulationCallback","actualValue","Manipulator","setDataAttribute","value","getDataAttribute","removeProperty","removeDataAttribute","callBack","isElement","sel","SelectorEngine","find"],"mappings":";;;;;;;;;;;;;;;;EAAA;EACA;EACA;EACA;EACA;EACA;EAMA;EACA;EACA;;EAEA,MAAMA,sBAAsB,GAAG,mDAA/B,CAAA;EACA,MAAMC,uBAAuB,GAAG,aAAhC,CAAA;EACA,MAAMC,gBAAgB,GAAG,eAAzB,CAAA;EACA,MAAMC,eAAe,GAAG,cAAxB,CAAA;EAEA;EACA;EACA;;EAEA,MAAMC,eAAN,CAAsB;EACpBC,EAAAA,WAAW,GAAG;EACZ,IAAA,IAAA,CAAKC,QAAL,GAAgBC,QAAQ,CAACC,IAAzB,CAAA;EACD,GAHmB;;;EAMpBC,EAAAA,QAAQ,GAAG;EACT;EACA,IAAA,MAAMC,aAAa,GAAGH,QAAQ,CAACI,eAAT,CAAyBC,WAA/C,CAAA;MACA,OAAOC,IAAI,CAACC,GAAL,CAASC,MAAM,CAACC,UAAP,GAAoBN,aAA7B,CAAP,CAAA;EACD,GAAA;;EAEDO,EAAAA,IAAI,GAAG;EACL,IAAA,MAAMC,KAAK,GAAG,IAAKT,CAAAA,QAAL,EAAd,CAAA;;MACA,IAAKU,CAAAA,gBAAL,GAFK;;;EAIL,IAAA,IAAA,CAAKC,qBAAL,CAA2B,IAAKd,CAAAA,QAAhC,EAA0CJ,gBAA1C,EAA4DmB,eAAe,IAAIA,eAAe,GAAGH,KAAjG,EAJK;;;MAML,IAAKE,CAAAA,qBAAL,CAA2BpB,sBAA3B,EAAmDE,gBAAnD,EAAqEmB,eAAe,IAAIA,eAAe,GAAGH,KAA1G,CAAA,CAAA;;MACA,IAAKE,CAAAA,qBAAL,CAA2BnB,uBAA3B,EAAoDE,eAApD,EAAqEkB,eAAe,IAAIA,eAAe,GAAGH,KAA1G,CAAA,CAAA;EACD,GAAA;;EAEDI,EAAAA,KAAK,GAAG;EACN,IAAA,IAAA,CAAKC,uBAAL,CAA6B,IAAKjB,CAAAA,QAAlC,EAA4C,UAA5C,CAAA,CAAA;;EACA,IAAA,IAAA,CAAKiB,uBAAL,CAA6B,IAAKjB,CAAAA,QAAlC,EAA4CJ,gBAA5C,CAAA,CAAA;;EACA,IAAA,IAAA,CAAKqB,uBAAL,CAA6BvB,sBAA7B,EAAqDE,gBAArD,CAAA,CAAA;;EACA,IAAA,IAAA,CAAKqB,uBAAL,CAA6BtB,uBAA7B,EAAsDE,eAAtD,CAAA,CAAA;EACD,GAAA;;EAEDqB,EAAAA,aAAa,GAAG;MACd,OAAO,IAAA,CAAKf,QAAL,EAAA,GAAkB,CAAzB,CAAA;EACD,GA/BmB;;;EAkCpBU,EAAAA,gBAAgB,GAAG;EACjB,IAAA,IAAA,CAAKM,qBAAL,CAA2B,IAAKnB,CAAAA,QAAhC,EAA0C,UAA1C,CAAA,CAAA;;EACA,IAAA,IAAA,CAAKA,QAAL,CAAcoB,KAAd,CAAoBC,QAApB,GAA+B,QAA/B,CAAA;EACD,GAAA;;EAEDP,EAAAA,qBAAqB,CAACQ,QAAD,EAAWC,aAAX,EAA0BC,QAA1B,EAAoC;EACvD,IAAA,MAAMC,cAAc,GAAG,IAAKtB,CAAAA,QAAL,EAAvB,CAAA;;MACA,MAAMuB,oBAAoB,GAAGC,OAAO,IAAI;EACtC,MAAA,IAAIA,OAAO,KAAK,IAAK3B,CAAAA,QAAjB,IAA6BS,MAAM,CAACC,UAAP,GAAoBiB,OAAO,CAACrB,WAAR,GAAsBmB,cAA3E,EAA2F;EACzF,QAAA,OAAA;EACD,OAAA;;EAED,MAAA,IAAA,CAAKN,qBAAL,CAA2BQ,OAA3B,EAAoCJ,aAApC,CAAA,CAAA;;QACA,MAAMR,eAAe,GAAGN,MAAM,CAACmB,gBAAP,CAAwBD,OAAxB,CAAiCE,CAAAA,gBAAjC,CAAkDN,aAAlD,CAAxB,CAAA;EACAI,MAAAA,OAAO,CAACP,KAAR,CAAcU,WAAd,CAA0BP,aAA1B,EAA0C,CAAA,EAAEC,QAAQ,CAACO,MAAM,CAACC,UAAP,CAAkBjB,eAAlB,CAAD,CAAqC,CAAzF,EAAA,CAAA,CAAA,CAAA;OAPF,CAAA;;EAUA,IAAA,IAAA,CAAKkB,0BAAL,CAAgCX,QAAhC,EAA0CI,oBAA1C,CAAA,CAAA;EACD,GAAA;;EAEDP,EAAAA,qBAAqB,CAACQ,OAAD,EAAUJ,aAAV,EAAyB;MAC5C,MAAMW,WAAW,GAAGP,OAAO,CAACP,KAAR,CAAcS,gBAAd,CAA+BN,aAA/B,CAApB,CAAA;;EACA,IAAA,IAAIW,WAAJ,EAAiB;EACfC,MAAAA,4BAAW,CAACC,gBAAZ,CAA6BT,OAA7B,EAAsCJ,aAAtC,EAAqDW,WAArD,CAAA,CAAA;EACD,KAAA;EACF,GAAA;;EAEDjB,EAAAA,uBAAuB,CAACK,QAAD,EAAWC,aAAX,EAA0B;MAC/C,MAAMG,oBAAoB,GAAGC,OAAO,IAAI;QACtC,MAAMU,KAAK,GAAGF,4BAAW,CAACG,gBAAZ,CAA6BX,OAA7B,EAAsCJ,aAAtC,CAAd,CADsC;;QAGtC,IAAIc,KAAK,KAAK,IAAd,EAAoB;EAClBV,QAAAA,OAAO,CAACP,KAAR,CAAcmB,cAAd,CAA6BhB,aAA7B,CAAA,CAAA;EACA,QAAA,OAAA;EACD,OAAA;;EAEDY,MAAAA,4BAAW,CAACK,mBAAZ,CAAgCb,OAAhC,EAAyCJ,aAAzC,CAAA,CAAA;EACAI,MAAAA,OAAO,CAACP,KAAR,CAAcU,WAAd,CAA0BP,aAA1B,EAAyCc,KAAzC,CAAA,CAAA;OATF,CAAA;;EAYA,IAAA,IAAA,CAAKJ,0BAAL,CAAgCX,QAAhC,EAA0CI,oBAA1C,CAAA,CAAA;EACD,GAAA;;EAEDO,EAAAA,0BAA0B,CAACX,QAAD,EAAWmB,QAAX,EAAqB;EAC7C,IAAA,IAAIC,eAAS,CAACpB,QAAD,CAAb,EAAyB;QACvBmB,QAAQ,CAACnB,QAAD,CAAR,CAAA;EACA,MAAA,OAAA;EACD,KAAA;;EAED,IAAA,KAAK,MAAMqB,GAAX,IAAkBC,+BAAc,CAACC,IAAf,CAAoBvB,QAApB,EAA8B,IAAA,CAAKtB,QAAnC,CAAlB,EAAgE;QAC9DyC,QAAQ,CAACE,GAAD,CAAR,CAAA;EACD,KAAA;EACF,GAAA;;EAtFmB;;;;;;;;"}