{"version":3,"file":"focustrap.js","sources":["../../src/util/focustrap.js"],"sourcesContent":["/\*\*\n \* --------------------------------------------------------------------------\n \* Bootstrap (v5.2.0): util/focustrap.js\n \* Licensed under MIT (https://github.com/twbs/bootstrap/blob/main/LICENSE)\n \* --------------------------------------------------------------------------\n \*/\n\nimport EventHandler from '../dom/event-handler'\nimport SelectorEngine from '../dom/selector-engine'\nimport Config from './config'\n\n/\*\*\n \* Constants\n \*/\n\nconst NAME = 'focustrap'\nconst DATA\_KEY = 'bs.focustrap'\nconst EVENT\_KEY = `.${DATA\_KEY}`\nconst EVENT\_FOCUSIN = `focusin${EVENT\_KEY}`\nconst EVENT\_KEYDOWN\_TAB = `keydown.tab${EVENT\_KEY}`\n\nconst TAB\_KEY = 'Tab'\nconst TAB\_NAV\_FORWARD = 'forward'\nconst TAB\_NAV\_BACKWARD = 'backward'\n\nconst Default = {\n autofocus: true,\n trapElement: null // The element to trap focus inside of\n}\n\nconst DefaultType = {\n autofocus: 'boolean',\n trapElement: 'element'\n}\n\n/\*\*\n \* Class definition\n \*/\n\nclass FocusTrap extends Config {\n constructor(config) {\n super()\n this.\_config = this.\_getConfig(config)\n this.\_isActive = false\n this.\_lastTabNavDirection = null\n }\n\n // Getters\n static get Default() {\n return Default\n }\n\n static get DefaultType() {\n return DefaultType\n }\n\n static get NAME() {\n return NAME\n }\n\n // Public\n activate() {\n if (this.\_isActive) {\n return\n }\n\n if (this.\_config.autofocus) {\n this.\_config.trapElement.focus()\n }\n\n EventHandler.off(document, EVENT\_KEY) // guard against infinite focus loop\n EventHandler.on(document, EVENT\_FOCUSIN, event => this.\_handleFocusin(event))\n EventHandler.on(document, EVENT\_KEYDOWN\_TAB, event => this.\_handleKeydown(event))\n\n this.\_isActive = true\n }\n\n deactivate() {\n if (!this.\_isActive) {\n return\n }\n\n this.\_isActive = false\n EventHandler.off(document, EVENT\_KEY)\n }\n\n // Private\n \_handleFocusin(event) {\n const { trapElement } = this.\_config\n\n if (event.target === document || event.target === trapElement || trapElement.contains(event.target)) {\n return\n }\n\n const elements = SelectorEngine.focusableChildren(trapElement)\n\n if (elements.length === 0) {\n trapElement.focus()\n } else if (this.\_lastTabNavDirection === TAB\_NAV\_BACKWARD) {\n elements[elements.length - 1].focus()\n } else {\n elements[0].focus()\n }\n }\n\n \_handleKeydown(event) {\n if (event.key !== TAB\_KEY) {\n return\n }\n\n this.\_lastTabNavDirection = event.shiftKey ? TAB\_NAV\_BACKWARD : TAB\_NAV\_FORWARD\n }\n}\n\nexport default FocusTrap\n"],"names":["NAME","DATA\_KEY","EVENT\_KEY","EVENT\_FOCUSIN","EVENT\_KEYDOWN\_TAB","TAB\_KEY","TAB\_NAV\_FORWARD","TAB\_NAV\_BACKWARD","Default","autofocus","trapElement","DefaultType","FocusTrap","Config","constructor","config","\_config","\_getConfig","\_isActive","\_lastTabNavDirection","activate","focus","EventHandler","off","document","on","event","\_handleFocusin","\_handleKeydown","deactivate","target","contains","elements","SelectorEngine","focusableChildren","length","key","shiftKey"],"mappings":";;;;;;;;;;;;;;;;;EAAA;EACA;EACA;EACA;EACA;EACA;EAMA;EACA;EACA;;EAEA,MAAMA,IAAI,GAAG,WAAb,CAAA;EACA,MAAMC,QAAQ,GAAG,cAAjB,CAAA;EACA,MAAMC,SAAS,GAAI,CAAGD,CAAAA,EAAAA,QAAS,CAA/B,CAAA,CAAA;EACA,MAAME,aAAa,GAAI,CAASD,OAAAA,EAAAA,SAAU,CAA1C,CAAA,CAAA;EACA,MAAME,iBAAiB,GAAI,CAAaF,WAAAA,EAAAA,SAAU,CAAlD,CAAA,CAAA;EAEA,MAAMG,OAAO,GAAG,KAAhB,CAAA;EACA,MAAMC,eAAe,GAAG,SAAxB,CAAA;EACA,MAAMC,gBAAgB,GAAG,UAAzB,CAAA;EAEA,MAAMC,OAAO,GAAG;EACdC,EAAAA,SAAS,EAAE,IADG;IAEdC,WAAW,EAAE,IAFC;;EAAA,CAAhB,CAAA;EAKA,MAAMC,WAAW,GAAG;EAClBF,EAAAA,SAAS,EAAE,SADO;EAElBC,EAAAA,WAAW,EAAE,SAAA;EAFK,CAApB,CAAA;EAKA;EACA;EACA;;EAEA,MAAME,SAAN,SAAwBC,uBAAxB,CAA+B;IAC7BC,WAAW,CAACC,MAAD,EAAS;EAClB,IAAA,KAAA,EAAA,CAAA;EACA,IAAA,IAAA,CAAKC,OAAL,GAAe,IAAA,CAAKC,UAAL,CAAgBF,MAAhB,CAAf,CAAA;MACA,IAAKG,CAAAA,SAAL,GAAiB,KAAjB,CAAA;MACA,IAAKC,CAAAA,oBAAL,GAA4B,IAA5B,CAAA;EACD,GAN4B;;;EASX,EAAA,WAAPX,OAAO,GAAG;EACnB,IAAA,OAAOA,OAAP,CAAA;EACD,GAAA;;EAEqB,EAAA,WAAXG,WAAW,GAAG;EACvB,IAAA,OAAOA,WAAP,CAAA;EACD,GAAA;;EAEc,EAAA,WAAJX,IAAI,GAAG;EAChB,IAAA,OAAOA,IAAP,CAAA;EACD,GAnB4B;;;EAsB7BoB,EAAAA,QAAQ,GAAG;MACT,IAAI,IAAA,CAAKF,SAAT,EAAoB;EAClB,MAAA,OAAA;EACD,KAAA;;EAED,IAAA,IAAI,IAAKF,CAAAA,OAAL,CAAaP,SAAjB,EAA4B;EAC1B,MAAA,IAAA,CAAKO,OAAL,CAAaN,WAAb,CAAyBW,KAAzB,EAAA,CAAA;EACD,KAAA;;EAEDC,IAAAA,6BAAY,CAACC,GAAb,CAAiBC,QAAjB,EAA2BtB,SAA3B,EATS;;EAUToB,IAAAA,6BAAY,CAACG,EAAb,CAAgBD,QAAhB,EAA0BrB,aAA1B,EAAyCuB,KAAK,IAAI,IAAA,CAAKC,cAAL,CAAoBD,KAApB,CAAlD,CAAA,CAAA;EACAJ,IAAAA,6BAAY,CAACG,EAAb,CAAgBD,QAAhB,EAA0BpB,iBAA1B,EAA6CsB,KAAK,IAAI,IAAA,CAAKE,cAAL,CAAoBF,KAApB,CAAtD,CAAA,CAAA;MAEA,IAAKR,CAAAA,SAAL,GAAiB,IAAjB,CAAA;EACD,GAAA;;EAEDW,EAAAA,UAAU,GAAG;MACX,IAAI,CAAC,IAAKX,CAAAA,SAAV,EAAqB;EACnB,MAAA,OAAA;EACD,KAAA;;MAED,IAAKA,CAAAA,SAAL,GAAiB,KAAjB,CAAA;EACAI,IAAAA,6BAAY,CAACC,GAAb,CAAiBC,QAAjB,EAA2BtB,SAA3B,CAAA,CAAA;EACD,GA7C4B;;;IAgD7ByB,cAAc,CAACD,KAAD,EAAQ;MACpB,MAAM;EAAEhB,MAAAA,WAAAA;EAAF,KAAA,GAAkB,KAAKM,OAA7B,CAAA;;MAEA,IAAIU,KAAK,CAACI,MAAN,KAAiBN,QAAjB,IAA6BE,KAAK,CAACI,MAAN,KAAiBpB,WAA9C,IAA6DA,WAAW,CAACqB,QAAZ,CAAqBL,KAAK,CAACI,MAA3B,CAAjE,EAAqG;EACnG,MAAA,OAAA;EACD,KAAA;;EAED,IAAA,MAAME,QAAQ,GAAGC,+BAAc,CAACC,iBAAf,CAAiCxB,WAAjC,CAAjB,CAAA;;EAEA,IAAA,IAAIsB,QAAQ,CAACG,MAAT,KAAoB,CAAxB,EAA2B;EACzBzB,MAAAA,WAAW,CAACW,KAAZ,EAAA,CAAA;EACD,KAFD,MAEO,IAAI,IAAA,CAAKF,oBAAL,KAA8BZ,gBAAlC,EAAoD;QACzDyB,QAAQ,CAACA,QAAQ,CAACG,MAAT,GAAkB,CAAnB,CAAR,CAA8Bd,KAA9B,EAAA,CAAA;EACD,KAFM,MAEA;EACLW,MAAAA,QAAQ,CAAC,CAAD,CAAR,CAAYX,KAAZ,EAAA,CAAA;EACD,KAAA;EACF,GAAA;;IAEDO,cAAc,CAACF,KAAD,EAAQ;EACpB,IAAA,IAAIA,KAAK,CAACU,GAAN,KAAc/B,OAAlB,EAA2B;EACzB,MAAA,OAAA;EACD,KAAA;;MAED,IAAKc,CAAAA,oBAAL,GAA4BO,KAAK,CAACW,QAAN,GAAiB9B,gBAAjB,GAAoCD,eAAhE,CAAA;EACD,GAAA;;EAxE4B;;;;;;;;"}