{"version":3,"file":"sanitizer.js","sources":["../../src/util/sanitizer.js"],"sourcesContent":["/\*\*\n \* --------------------------------------------------------------------------\n \* Bootstrap (v5.2.0): util/sanitizer.js\n \* Licensed under MIT (https://github.com/twbs/bootstrap/blob/main/LICENSE)\n \* --------------------------------------------------------------------------\n \*/\n\nconst uriAttributes = new Set([\n 'background',\n 'cite',\n 'href',\n 'itemtype',\n 'longdesc',\n 'poster',\n 'src',\n 'xlink:href'\n])\n\nconst ARIA\_ATTRIBUTE\_PATTERN = /^aria-[\\w-]\*$/i\n\n/\*\*\n \* A pattern that recognizes a commonly useful subset of URLs that are safe.\n \*\n \* Shout-out to Angular https://github.com/angular/angular/blob/12.2.x/packages/core/src/sanitization/url\_sanitizer.ts\n \*/\nconst SAFE\_URL\_PATTERN = /^(?:(?:https?|mailto|ftp|tel|file|sms):|[^#&/:?]\*(?:[#/?]|$))/i\n\n/\*\*\n \* A pattern that matches safe data URLs. Only matches image, video and audio types.\n \*\n \* Shout-out to Angular https://github.com/angular/angular/blob/12.2.x/packages/core/src/sanitization/url\_sanitizer.ts\n \*/\nconst DATA\_URL\_PATTERN = /^data:(?:image\\/(?:bmp|gif|jpeg|jpg|png|tiff|webp)|video\\/(?:mpeg|mp4|ogg|webm)|audio\\/(?:mp3|oga|ogg|opus));base64,[\\d+/a-z]+=\*$/i\n\nconst allowedAttribute = (attribute, allowedAttributeList) => {\n const attributeName = attribute.nodeName.toLowerCase()\n\n if (allowedAttributeList.includes(attributeName)) {\n if (uriAttributes.has(attributeName)) {\n return Boolean(SAFE\_URL\_PATTERN.test(attribute.nodeValue) || DATA\_URL\_PATTERN.test(attribute.nodeValue))\n }\n\n return true\n }\n\n // Check if a regular expression validates the attribute.\n return allowedAttributeList.filter(attributeRegex => attributeRegex instanceof RegExp)\n .some(regex => regex.test(attributeName))\n}\n\nexport const DefaultAllowlist = {\n // Global attributes allowed on any supplied element below.\n '\*': ['class', 'dir', 'id', 'lang', 'role', ARIA\_ATTRIBUTE\_PATTERN],\n a: ['target', 'href', 'title', 'rel'],\n area: [],\n b: [],\n br: [],\n col: [],\n code: [],\n div: [],\n em: [],\n hr: [],\n h1: [],\n h2: [],\n h3: [],\n h4: [],\n h5: [],\n h6: [],\n i: [],\n img: ['src', 'srcset', 'alt', 'title', 'width', 'height'],\n li: [],\n ol: [],\n p: [],\n pre: [],\n s: [],\n small: [],\n span: [],\n sub: [],\n sup: [],\n strong: [],\n u: [],\n ul: []\n}\n\nexport function sanitizeHtml(unsafeHtml, allowList, sanitizeFunction) {\n if (!unsafeHtml.length) {\n return unsafeHtml\n }\n\n if (sanitizeFunction && typeof sanitizeFunction === 'function') {\n return sanitizeFunction(unsafeHtml)\n }\n\n const domParser = new window.DOMParser()\n const createdDocument = domParser.parseFromString(unsafeHtml, 'text/html')\n const elements = [].concat(...createdDocument.body.querySelectorAll('\*'))\n\n for (const element of elements) {\n const elementName = element.nodeName.toLowerCase()\n\n if (!Object.keys(allowList).includes(elementName)) {\n element.remove()\n\n continue\n }\n\n const attributeList = [].concat(...element.attributes)\n const allowedAttributes = [].concat(allowList['\*'] || [], allowList[elementName] || [])\n\n for (const attribute of attributeList) {\n if (!allowedAttribute(attribute, allowedAttributes)) {\n element.removeAttribute(attribute.nodeName)\n }\n }\n }\n\n return createdDocument.body.innerHTML\n}\n"],"names":["uriAttributes","Set","ARIA\_ATTRIBUTE\_PATTERN","SAFE\_URL\_PATTERN","DATA\_URL\_PATTERN","allowedAttribute","attribute","allowedAttributeList","attributeName","nodeName","toLowerCase","includes","has","Boolean","test","nodeValue","filter","attributeRegex","RegExp","some","regex","DefaultAllowlist","a","area","b","br","col","code","div","em","hr","h1","h2","h3","h4","h5","h6","i","img","li","ol","p","pre","s","small","span","sub","sup","strong","u","ul","sanitizeHtml","unsafeHtml","allowList","sanitizeFunction","length","domParser","window","DOMParser","createdDocument","parseFromString","elements","concat","body","querySelectorAll","element","elementName","Object","keys","remove","attributeList","attributes","allowedAttributes","removeAttribute","innerHTML"],"mappings":";;;;;;;;;;;EAAA;EACA;EACA;EACA;EACA;EACA;EAEA,MAAMA,aAAa,GAAG,IAAIC,GAAJ,CAAQ,CAC5B,YAD4B,EAE5B,MAF4B,EAG5B,MAH4B,EAI5B,UAJ4B,EAK5B,UAL4B,EAM5B,QAN4B,EAO5B,KAP4B,EAQ5B,YAR4B,CAAR,CAAtB,CAAA;EAWA,MAAMC,sBAAsB,GAAG,gBAA/B,CAAA;EAEA;EACA;EACA;EACA;EACA;;EACA,MAAMC,gBAAgB,GAAG,gEAAzB,CAAA;EAEA;EACA;EACA;EACA;EACA;;EACA,MAAMC,gBAAgB,GAAG,oIAAzB,CAAA;;EAEA,MAAMC,gBAAgB,GAAG,CAACC,SAAD,EAAYC,oBAAZ,KAAqC;EAC5D,EAAA,MAAMC,aAAa,GAAGF,SAAS,CAACG,QAAV,CAAmBC,WAAnB,EAAtB,CAAA;;EAEA,EAAA,IAAIH,oBAAoB,CAACI,QAArB,CAA8BH,aAA9B,CAAJ,EAAkD;EAChD,IAAA,IAAIR,aAAa,CAACY,GAAd,CAAkBJ,aAAlB,CAAJ,EAAsC;EACpC,MAAA,OAAOK,OAAO,CAACV,gBAAgB,CAACW,IAAjB,CAAsBR,SAAS,CAACS,SAAhC,CAA8CX,IAAAA,gBAAgB,CAACU,IAAjB,CAAsBR,SAAS,CAACS,SAAhC,CAA/C,CAAd,CAAA;EACD,KAAA;;EAED,IAAA,OAAO,IAAP,CAAA;EACD,GAT2D;;;IAY5D,OAAOR,oBAAoB,CAACS,MAArB,CAA4BC,cAAc,IAAIA,cAAc,YAAYC,MAAxE,CAAA,CACJC,IADI,CACCC,KAAK,IAAIA,KAAK,CAACN,IAAN,CAAWN,aAAX,CADV,CAAP,CAAA;EAED,CAdD,CAAA;;AAgBO,QAAMa,gBAAgB,GAAG;EAC9B;EACA,EAAA,GAAA,EAAK,CAAC,OAAD,EAAU,KAAV,EAAiB,IAAjB,EAAuB,MAAvB,EAA+B,MAA/B,EAAuCnB,sBAAvC,CAFyB;IAG9BoB,CAAC,EAAE,CAAC,QAAD,EAAW,MAAX,EAAmB,OAAnB,EAA4B,KAA5B,CAH2B;EAI9BC,EAAAA,IAAI,EAAE,EAJwB;EAK9BC,EAAAA,CAAC,EAAE,EAL2B;EAM9BC,EAAAA,EAAE,EAAE,EAN0B;EAO9BC,EAAAA,GAAG,EAAE,EAPyB;EAQ9BC,EAAAA,IAAI,EAAE,EARwB;EAS9BC,EAAAA,GAAG,EAAE,EATyB;EAU9BC,EAAAA,EAAE,EAAE,EAV0B;EAW9BC,EAAAA,EAAE,EAAE,EAX0B;EAY9BC,EAAAA,EAAE,EAAE,EAZ0B;EAa9BC,EAAAA,EAAE,EAAE,EAb0B;EAc9BC,EAAAA,EAAE,EAAE,EAd0B;EAe9BC,EAAAA,EAAE,EAAE,EAf0B;EAgB9BC,EAAAA,EAAE,EAAE,EAhB0B;EAiB9BC,EAAAA,EAAE,EAAE,EAjB0B;EAkB9BC,EAAAA,CAAC,EAAE,EAlB2B;EAmB9BC,EAAAA,GAAG,EAAE,CAAC,KAAD,EAAQ,QAAR,EAAkB,KAAlB,EAAyB,OAAzB,EAAkC,OAAlC,EAA2C,QAA3C,CAnByB;EAoB9BC,EAAAA,EAAE,EAAE,EApB0B;EAqB9BC,EAAAA,EAAE,EAAE,EArB0B;EAsB9BC,EAAAA,CAAC,EAAE,EAtB2B;EAuB9BC,EAAAA,GAAG,EAAE,EAvByB;EAwB9BC,EAAAA,CAAC,EAAE,EAxB2B;EAyB9BC,EAAAA,KAAK,EAAE,EAzBuB;EA0B9BC,EAAAA,IAAI,EAAE,EA1BwB;EA2B9BC,EAAAA,GAAG,EAAE,EA3ByB;EA4B9BC,EAAAA,GAAG,EAAE,EA5ByB;EA6B9BC,EAAAA,MAAM,EAAE,EA7BsB;EA8B9BC,EAAAA,CAAC,EAAE,EA9B2B;EA+B9BC,EAAAA,EAAE,EAAE,EAAA;EA/B0B,EAAzB;EAkCA,SAASC,YAAT,CAAsBC,UAAtB,EAAkCC,SAAlC,EAA6CC,gBAA7C,EAA+D;EACpE,EAAA,IAAI,CAACF,UAAU,CAACG,MAAhB,EAAwB;EACtB,IAAA,OAAOH,UAAP,CAAA;EACD,GAAA;;EAED,EAAA,IAAIE,gBAAgB,IAAI,OAAOA,gBAAP,KAA4B,UAApD,EAAgE;MAC9D,OAAOA,gBAAgB,CAACF,UAAD,CAAvB,CAAA;EACD,GAAA;;EAED,EAAA,MAAMI,SAAS,GAAG,IAAIC,MAAM,CAACC,SAAX,EAAlB,CAAA;IACA,MAAMC,eAAe,GAAGH,SAAS,CAACI,eAAV,CAA0BR,UAA1B,EAAsC,WAAtC,CAAxB,CAAA;EACA,EAAA,MAAMS,QAAQ,GAAG,EAAGC,CAAAA,MAAH,CAAU,GAAGH,eAAe,CAACI,IAAhB,CAAqBC,gBAArB,CAAsC,GAAtC,CAAb,CAAjB,CAAA;;EAEA,EAAA,KAAK,MAAMC,OAAX,IAAsBJ,QAAtB,EAAgC;EAC9B,IAAA,MAAMK,WAAW,GAAGD,OAAO,CAACxD,QAAR,CAAiBC,WAAjB,EAApB,CAAA;;MAEA,IAAI,CAACyD,MAAM,CAACC,IAAP,CAAYf,SAAZ,CAAA,CAAuB1C,QAAvB,CAAgCuD,WAAhC,CAAL,EAAmD;EACjDD,MAAAA,OAAO,CAACI,MAAR,EAAA,CAAA;EAEA,MAAA,SAAA;EACD,KAAA;;MAED,MAAMC,aAAa,GAAG,EAAGR,CAAAA,MAAH,CAAU,GAAGG,OAAO,CAACM,UAArB,CAAtB,CAAA;EACA,IAAA,MAAMC,iBAAiB,GAAG,EAAA,CAAGV,MAAH,CAAUT,SAAS,CAAC,GAAD,CAAT,IAAkB,EAA5B,EAAgCA,SAAS,CAACa,WAAD,CAAT,IAA0B,EAA1D,CAA1B,CAAA;;EAEA,IAAA,KAAK,MAAM5D,SAAX,IAAwBgE,aAAxB,EAAuC;EACrC,MAAA,IAAI,CAACjE,gBAAgB,CAACC,SAAD,EAAYkE,iBAAZ,CAArB,EAAqD;EACnDP,QAAAA,OAAO,CAACQ,eAAR,CAAwBnE,SAAS,CAACG,QAAlC,CAAA,CAAA;EACD,OAAA;EACF,KAAA;EACF,GAAA;;EAED,EAAA,OAAOkD,eAAe,CAACI,IAAhB,CAAqBW,SAA5B,CAAA;EACD;;;;;;;;;;;"}