{"version":3,"file":"abort-controller.js","sources":["../src/abort-signal.ts","../src/abort-controller.ts"],"sourcesContent":["import {\n // Event,\n EventTarget,\n // Type,\n defineEventAttribute,\n} from \"event-target-shim\"\n\n// Known Limitation\n// Use `any` because the type of `AbortSignal` in `lib.dom.d.ts` is wrong and\n// to make assignable our `AbortSignal` into that.\n// https://github.com/Microsoft/TSJS-lib-generator/pull/623\ntype Events = {\n abort: any // Event & Type<\"abort\">\n}\ntype EventAttributes = {\n onabort: any // Event & Type<\"abort\">\n}\n\n/\*\*\n \* The signal class.\n \* @see https://dom.spec.whatwg.org/#abortsignal\n \*/\nexport default class AbortSignal extends EventTarget<Events, EventAttributes> {\n /\*\*\n \* AbortSignal cannot be constructed directly.\n \*/\n public constructor() {\n super()\n throw new TypeError(\"AbortSignal cannot be constructed directly\")\n }\n\n /\*\*\n \* Returns `true` if this `AbortSignal`'s `AbortController` has signaled to abort, and `false` otherwise.\n \*/\n public get aborted(): boolean {\n const aborted = abortedFlags.get(this)\n if (typeof aborted !== \"boolean\") {\n throw new TypeError(\n `Expected 'this' to be an 'AbortSignal' object, but got ${\n this === null ? \"null\" : typeof this\n }`,\n )\n }\n return aborted\n }\n}\ndefineEventAttribute(AbortSignal.prototype, \"abort\")\n\n/\*\*\n \* Create an AbortSignal object.\n \*/\nexport function createAbortSignal(): AbortSignal {\n const signal = Object.create(AbortSignal.prototype)\n EventTarget.call(signal)\n abortedFlags.set(signal, false)\n return signal\n}\n\n/\*\*\n \* Abort a given signal.\n \*/\nexport function abortSignal(signal: AbortSignal): void {\n if (abortedFlags.get(signal) !== false) {\n return\n }\n\n abortedFlags.set(signal, true)\n signal.dispatchEvent<\"abort\">({ type: \"abort\" })\n}\n\n/\*\*\n \* Aborted flag for each instances.\n \*/\nconst abortedFlags = new WeakMap<AbortSignal, boolean>()\n\n// Properties should be enumerable.\nObject.defineProperties(AbortSignal.prototype, {\n aborted: { enumerable: true },\n})\n\n// `toString()` should return `\"[object AbortSignal]\"`\nif (typeof Symbol === \"function\" && typeof Symbol.toStringTag === \"symbol\") {\n Object.defineProperty(AbortSignal.prototype, Symbol.toStringTag, {\n configurable: true,\n value: \"AbortSignal\",\n })\n}\n","import AbortSignal, { abortSignal, createAbortSignal } from \"./abort-signal\"\n\n/\*\*\n \* The AbortController.\n \* @see https://dom.spec.whatwg.org/#abortcontroller\n \*/\nexport default class AbortController {\n /\*\*\n \* Initialize this controller.\n \*/\n public constructor() {\n signals.set(this, createAbortSignal())\n }\n\n /\*\*\n \* Returns the `AbortSignal` object associated with this object.\n \*/\n public get signal(): AbortSignal {\n return getSignal(this)\n }\n\n /\*\*\n \* Abort and signal to any observers that the associated activity is to be aborted.\n \*/\n public abort(): void {\n abortSignal(getSignal(this))\n }\n}\n\n/\*\*\n \* Associated signals.\n \*/\nconst signals = new WeakMap<AbortController, AbortSignal>()\n\n/\*\*\n \* Get the associated signal of a given controller.\n \*/\nfunction getSignal(controller: AbortController): AbortSignal {\n const signal = signals.get(controller)\n if (signal == null) {\n throw new TypeError(\n `Expected 'this' to be an 'AbortController' object, but got ${\n controller === null ? \"null\" : typeof controller\n }`,\n )\n }\n return signal\n}\n\n// Properties should be enumerable.\nObject.defineProperties(AbortController.prototype, {\n signal: { enumerable: true },\n abort: { enumerable: true },\n})\n\nif (typeof Symbol === \"function\" && typeof Symbol.toStringTag === \"symbol\") {\n Object.defineProperty(AbortController.prototype, Symbol.toStringTag, {\n configurable: true,\n value: \"AbortController\",\n })\n}\n\nexport { AbortController, AbortSignal }\n"],"names":["EventTarget","defineEventAttribute"],"mappings":";;;;;;;;;;AAkBA;;;;AAIA,MAAqB,WAAY,SAAQA,2BAAoC;;;;IAIzE;QACI,KAAK,EAAE,CAAA;QACP,MAAM,IAAI,SAAS,CAAC,4CAA4C,CAAC,CAAA;KACpE;;;;IAKD,IAAW,OAAO;QACd,MAAM,OAAO,GAAG,YAAY,CAAC,GAAG,CAAC,IAAI,CAAC,CAAA;QACtC,IAAI,OAAO,OAAO,KAAK,SAAS,EAAE;YAC9B,MAAM,IAAI,SAAS,CACf,0DACI,IAAI,KAAK,IAAI,GAAG,MAAM,GAAG,OAAO,IACpC,EAAE,CACL,CAAA;SACJ;QACD,OAAO,OAAO,CAAA;KACjB;CACJ;AACDC,oCAAoB,CAAC,WAAW,CAAC,SAAS,EAAE,OAAO,CAAC,CAAA;;;;AAKpD,SAAgB,iBAAiB;IAC7B,MAAM,MAAM,GAAG,MAAM,CAAC,MAAM,CAAC,WAAW,CAAC,SAAS,CAAC,CAAA;IACnDD,2BAAW,CAAC,IAAI,CAAC,MAAM,CAAC,CAAA;IACxB,YAAY,CAAC,GAAG,CAAC,MAAM,EAAE,KAAK,CAAC,CAAA;IAC/B,OAAO,MAAM,CAAA;CAChB;;;;AAKD,SAAgB,WAAW,CAAC,MAAmB;IAC3C,IAAI,YAAY,CAAC,GAAG,CAAC,MAAM,CAAC,KAAK,KAAK,EAAE;QACpC,OAAM;KACT;IAED,YAAY,CAAC,GAAG,CAAC,MAAM,EAAE,IAAI,CAAC,CAAA;IAC9B,MAAM,CAAC,aAAa,CAAU,EAAE,IAAI,EAAE,OAAO,EAAE,CAAC,CAAA;CACnD;;;;AAKD,MAAM,YAAY,GAAG,IAAI,OAAO,EAAwB,CAAA;;AAGxD,MAAM,CAAC,gBAAgB,CAAC,WAAW,CAAC,SAAS,EAAE;IAC3C,OAAO,EAAE,EAAE,UAAU,EAAE,IAAI,EAAE;CAChC,CAAC,CAAA;;AAGF,IAAI,OAAO,MAAM,KAAK,UAAU,IAAI,OAAO,MAAM,CAAC,WAAW,KAAK,QAAQ,EAAE;IACxE,MAAM,CAAC,cAAc,CAAC,WAAW,CAAC,SAAS,EAAE,MAAM,CAAC,WAAW,EAAE;QAC7D,YAAY,EAAE,IAAI;QAClB,KAAK,EAAE,aAAa;KACvB,CAAC,CAAA;CACL;;ACpFD;;;;AAIA,MAAqB,eAAe;;;;IAIhC;QACI,OAAO,CAAC,GAAG,CAAC,IAAI,EAAE,iBAAiB,EAAE,CAAC,CAAA;KACzC;;;;IAKD,IAAW,MAAM;QACb,OAAO,SAAS,CAAC,IAAI,CAAC,CAAA;KACzB;;;;IAKM,KAAK;QACR,WAAW,CAAC,SAAS,CAAC,IAAI,CAAC,CAAC,CAAA;KAC/B;CACJ;;;;AAKD,MAAM,OAAO,GAAG,IAAI,OAAO,EAAgC,CAAA;;;;AAK3D,SAAS,SAAS,CAAC,UAA2B;IAC1C,MAAM,MAAM,GAAG,OAAO,CAAC,GAAG,CAAC,UAAU,CAAC,CAAA;IACtC,IAAI,MAAM,IAAI,IAAI,EAAE;QAChB,MAAM,IAAI,SAAS,CACf,8DACI,UAAU,KAAK,IAAI,GAAG,MAAM,GAAG,OAAO,UAC1C,EAAE,CACL,CAAA;KACJ;IACD,OAAO,MAAM,CAAA;CAChB;;AAGD,MAAM,CAAC,gBAAgB,CAAC,eAAe,CAAC,SAAS,EAAE;IAC/C,MAAM,EAAE,EAAE,UAAU,EAAE,IAAI,EAAE;IAC5B,KAAK,EAAE,EAAE,UAAU,EAAE,IAAI,EAAE;CAC9B,CAAC,CAAA;AAEF,IAAI,OAAO,MAAM,KAAK,UAAU,IAAI,OAAO,MAAM,CAAC,WAAW,KAAK,QAAQ,EAAE;IACxE,MAAM,CAAC,cAAc,CAAC,eAAe,CAAC,SAAS,EAAE,MAAM,CAAC,WAAW,EAAE;QACjE,YAAY,EAAE,IAAI;QAClB,KAAK,EAAE,iBAAiB;KAC3B,CAAC,CAAA;CACL;;;;;;;;;;;;;"}