

tryDecodeURI

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Kind: Function**Source:** `src/utils/url.ts`**Part of:** [Utils](#)

Try to apply `decodeURI()` to given string.

If it fails, skip invalid percent encoding or invalid UTF-8 sequences, and apply `decodeURI()` to the rest as much as possible.

`tryDecodeURI` attempts to decode a URI string with `decodeURI()`. If decoding fails because the input contains invalid percent encoding or invalid UTF-8 sequences, it skips the invalid data and decodes the remaining portions where possible.

Signature

```
function tryDecodeURI(str: string): string
```

Parameters

Name	Type
<code>str</code>	<code>string</code>

Returns: `string`

Diagram

```
graph LR
    Input[URI string] --> Decode[Attempt decodeURI]
    Decode -->|Success| Result[Return decoded string]
    Decode -->|Failure| Recover[Skip invalid encoding data]
```

```
Recover --> Partial[Decode remaining portions]
Partial --> Result
```

Usage

```
import { tryDecodeURI } from './utils/url';

const value = 'https://example.com/search?q=hello%20world%ZZ';

const decoded = tryDecodeURI(value);

console.log(decoded);
// https://example.com/search?q=hello world%ZZ
```

AI Coding Instructions

- Keep this helper focused on tolerant URI decoding behavior.
- Use `decodeURI()` rather than `decodeURIComponent()` so URI delimiters retain their expected handling.
- Do not throw when malformed percent encoding or invalid UTF-8 data is present.
- Preserve undecodable input data while decoding portions that can be decoded.

Used by

1 reference from 1 file. Each is a place in this repository where the symbol is actually used — go read one rather than trusting an example.

Imported by (1)

- `ServeStaticOptions` — `src/middleware/serve-static/index.ts :13`