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Introduction

Why use a JS framework if we can do all from scratch?

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Why use a JS framework if we can do all from scratch?

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This library provides a collection of utility functions for common web development tasks, organized into modular components for better maintainability and flexibility.

Structure

The library is organized into the following modules:

Main Modules

- `src/derafu.js` - Main module (exports all functions under the `derafu` namespace).

Core Modules

- `src/tabs.js` - Tab management functions.
- `src/ui.js` - User interface functions (popups, tables, notifications, copy/paste, etc.).
- `src/utils.js` - Basic utility functions (password generation, cookies, language detection, number formatting, etc.).

Validation Modules

- `src/validation/l10n-cl.js` - Chilean validation functions (RUT validation, etc.).

Form Modules

- `src/form/fields.js` - Form field management functions.
- `src/form/tables.js` - Dynamic table functions.
- `src/form/validation.js` - Form validation functions.

Compatibility Modules

- `src/__.js` - Main compatibility layer (exports all functions under the `__` namespace).
- `src/form.js` - Form compatibility layer (exports all form functions under the `Form` namespace).

Quick Start

Import using the CDN of the module you need, for example UI module:

```
<script src="https://cdn.jsdelivr.net/npm/derafu-js@0.1.0/src/ui.js"></script>
```

Then use the function you need, for example notify function:

```
UI.notify('Hello World!');
```

Note: Remember to load the dependencies first, in this example `notyf` is used for notifications.

Usage

Browser Usage

Load the modules in the correct order:

```
<!-- Load individual modules -->
<script src="src/utils.js"></script>
<script src="src/ui.js"></script>
<script src="src/validation/l10n-cl.js"></script>
<script src="src/tabs.js"></script>
<script src="src/form/validation.js"></script>
<script src="src/form/fields.js"></script>
<script src="src/form/tables.js"></script>

<!-- Load compatibility layers -->
<script src="src/__.js"></script>
<script src="src/form.js"></script>
```

Then use the functions:

```
// Using the compatibility layer (recommended for existing code).
__.generatePassword(12);
__.notify('Hello World!');
Form.check('myForm');

// Using individual modules (recommended for new code).
```

```
Utils.generatePassword(12);  
UI.notify('Hello World!');  
FormValidation.check('myForm');
```

Node.js Usage

```
const Utils = require('./src/Utils.js');  
const UI = require('./src/ui.js');  
  
Utils.generatePassword(12);  
UI.notify('Hello World!');
```

Validation and Testing

Run the validation and test suite:

```
npm install  
npm run format:check  
npm run lint:check  
npm run test
```

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