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Dependencies

Minimal dependencies for the library.

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Dependencies

The library is written in **pure vanilla JavaScript** but is designed to integrate seamlessly with popular external libraries when available. The code gracefully handles the absence of these dependencies.

Why Vanilla JS?

See <http://vanilla-js.com>

The library has minimal dependencies and works with:

- Modern browsers (ES6+).
- jQuery (for some form functions).
- Bootstrap (for UI components).
- Bootbox (for dialogs).
- Notyf (for notifications, optional)

Useful Dependencies

Bootstrap

Used for tab management and modal functionality:

- Tab initialization and navigation (`src/tabs.js`).
- Modal instance management.
- Bootstrap classes and data attributes.

jQuery

Used for enhanced form field functionality:

- Select2 integration for improved select fields.
- Datepicker integration for date inputs.
- Dynamic field initialization.

Notyf

Enhanced notifications (falls back to basic alerts):

- Toast notifications with icons.
- Configurable duration and positioning.
- Multiple notification types.

Bootbox

Enhanced dialog boxes:

- Confirmation dialogs.
- Prompt dialogs for field editing.
- Customizable dialog options.

Graceful Degradation

The library includes conditional checks to ensure functionality even when external dependencies are not available:

```
// Example: jQuery availability check.
if (typeof window.jQuery !== 'function') {
  console.error('window or jQuery is not available.');
```



```
  return;
}

// Example: Bootstrap availability check.
if (typeof bootstrap !== 'undefined') {
  new bootstrap.Tab(element).show();
}
```

Installation Recommendations

For full functionality, include these dependencies in your project:

```
<!-- Bootstrap CSS and JS -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.7/dist/css/bootstrap.min.css"
rel="stylesheet" />
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.7/dist/js/bootstrap.bundle.min.js"></s
cript>

<!-- jQuery (for enhanced form features) -->
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
```

```
<!-- Font Awesome (for icons in the UI) -->
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/7.0.0/css/all.min.css"
rel="stylesheet" />

<!-- Optional: Bootbox for dialogs -->
<script
src="https://cdnjs.cloudflare.com/ajax/libs/bootbox.js/6.0.4/bootbox.all.min.js"></scr
ipt>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/bootbox.js/6.0.4/bootbox.locales.min.js"><
/script>

<!-- Optional: Notyf for notifications -->
<link href="https://cdn.jsdelivr.net/npm/notyf@3.10.0/notyf.min.css" rel="stylesheet"
/>
<script src="https://cdn.jsdelivr.net/npm/notyf@3.10.0/notyf.min.js"></script>
```

Last updated on 09/09/2026