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Bellissima

A fully new modern front end to Backoffice, replacing Angular JS

Thanks!

A big shout-out to Kevin Jump

https://dev.to/kevinjump/series

New Framework

- Everything in the new backoffice mainly comprises of:
    - Manifests
    - Contexts
    - Web Components
- Prefered tools
    - Vite
    - Lit
    - Typescript

Creating a Custom Property Editor

1. Create a Package Manifest, Similar to before, but with a `propertyEditorSchema` to define the configuration settings and a `propertyEditorUi` which defines ho the users sees when editing content (Controller and View)
2. Create a `DataEditor` C# Class
3. Optionally create a C# Configuration Editor (to define how the data is serialised in / out of the DB)
4. Optionally create a C# Value Editor for things like server side validation

New Concepts

- Package Entry Points
- Contexts & Resources
- Sections, sidebars and menus
- Workspaces
- Workspace views (Content Apps)
- Header apps and modal dialogs
- Actions
- dialogs

Entry Points

```json
{
"$schema": "../umbraco-package-schema.json"
"name": "mypackage",
"id": "mypackage",
"version": "0.1.0",
"allowTelemetry": true,
"extensions": [
  {
    "name": "mypackage.entrypoint",
    "alias": "mypackage.EntryPoint",
    "type": "entryPoint",
    "js": "/app_plugins/mypackage/assets.js"
    }
]}
```

```typescript
const TimeManifest:
   Array<ManifestGlobalContext> = [
        {
                type: 'globalContext',
                alias: 'time.context',
                name: 'Time context',
                js: () => import('./time.context
        }
   ]

export const manifests = [
        ...TimeManifest
];
```

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Contexts & Resources

- **Context** is like a service, it's the method you want to get things in your dashboard, etc. it also stores some values, which you can 'observe' for changes than might happen elsewhere.
- **Repositories** handle the first part of getting things, they abstract away how the data is stored in your app
- **Resources** are the things that actually go fetch the data, in the case of the back office, these are the bits doing the http requests.

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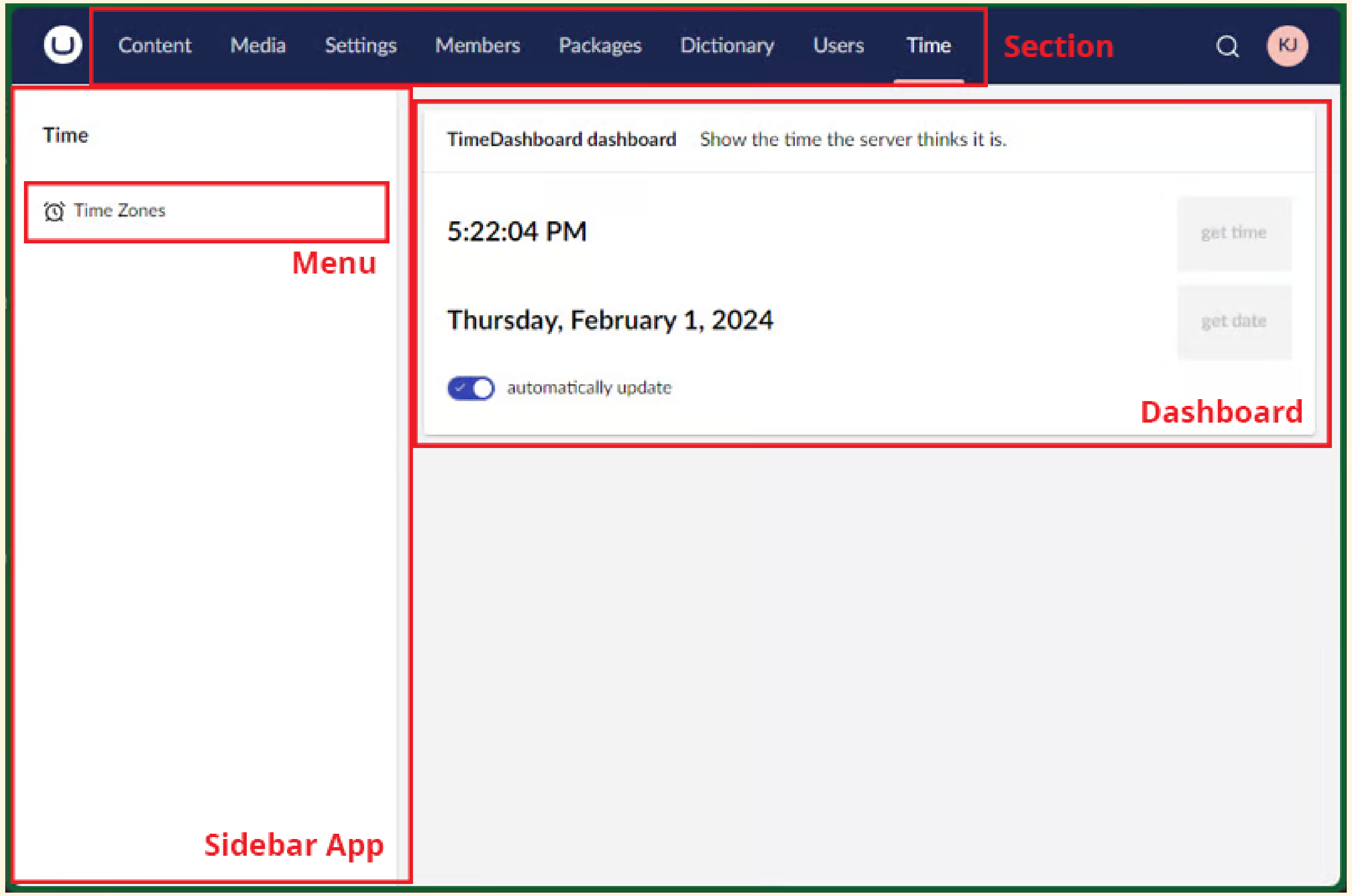
Sections, Sidebars and Menus



TimeDashboard dashboard Show the time the server thinks it is.

5:22:04 PM

Thursday, February 1, 2024

automatically update

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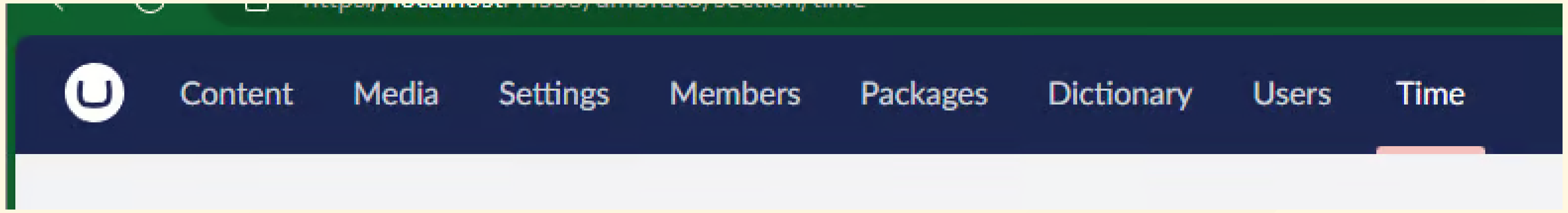
1. Sections



```
const sectionManifest : ManifestSection = {
    type: 'section',
    alias: 'time.section',
    name: 'time section',
    weight: 10,
    meta: {
        label: 'Time',
        pathname: 'time'
    }
}
```

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2. Sidebar App

```
const sidebarAppManifest : ManifestSectionSidebarApp = {
    type: 'sectionSidebarApp',
    kind: 'menuWithEntityActions',
    alias: 'time.sidebar.app',
    name: 'Sidebar app',
    meta: {
        label: "Time",
        menu: "time.menu"
    },
    conditions: [
        {
            alias: "Umb.Condition.SectionAlias",
            match: "time.section"
        }
    ]
};
```

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3. Menu and item(s)

```
const menuManifest : ManifestMenu = {
    type: 'menu',
    alias: 'time.menu',
    name: 'time sidebar menu',
    meta: {  label: 'Time'   }
}
const menuItemManifest  : ManifestMenuItem = {
    type: 'menuItem',
    alias: 'time.menu,item',
    name: 'time menu item',
    meta: {
        label: 'Time Zones',
        icon: 'icon-alarm-clock',
        entityType: '',
        menus: [ 'time.menu'   ]    }
}
```

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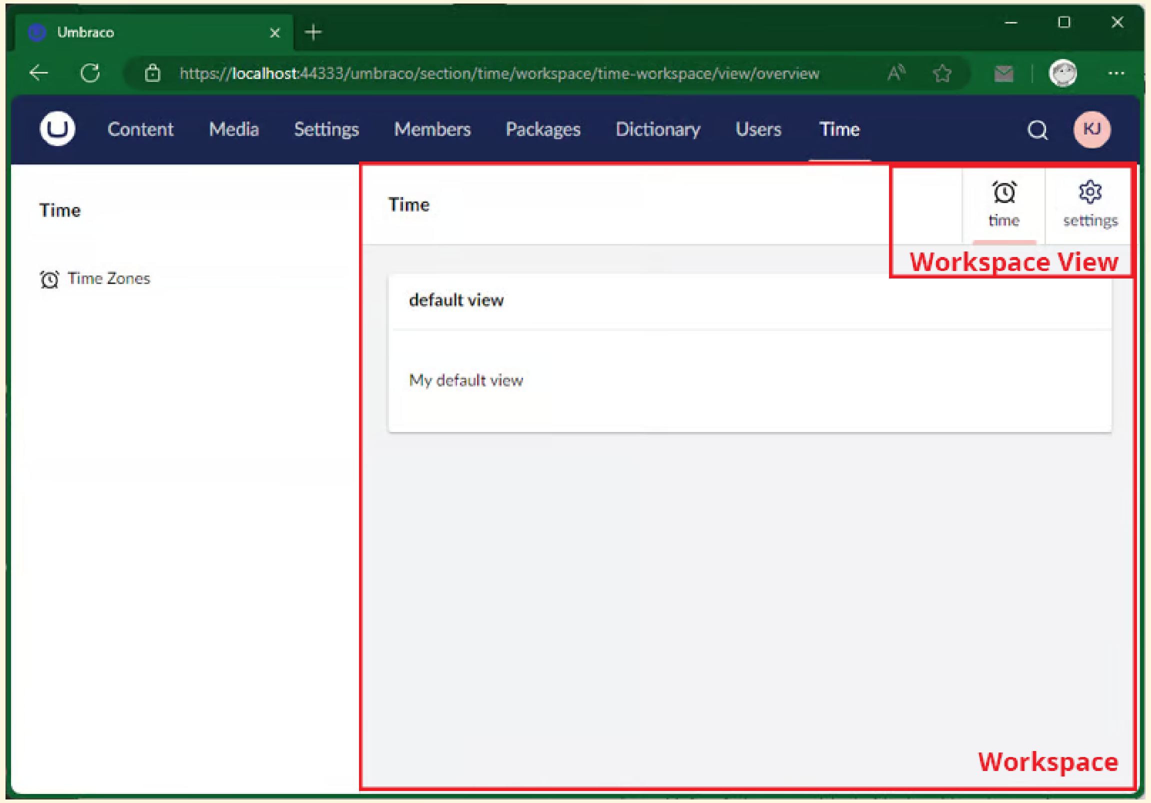
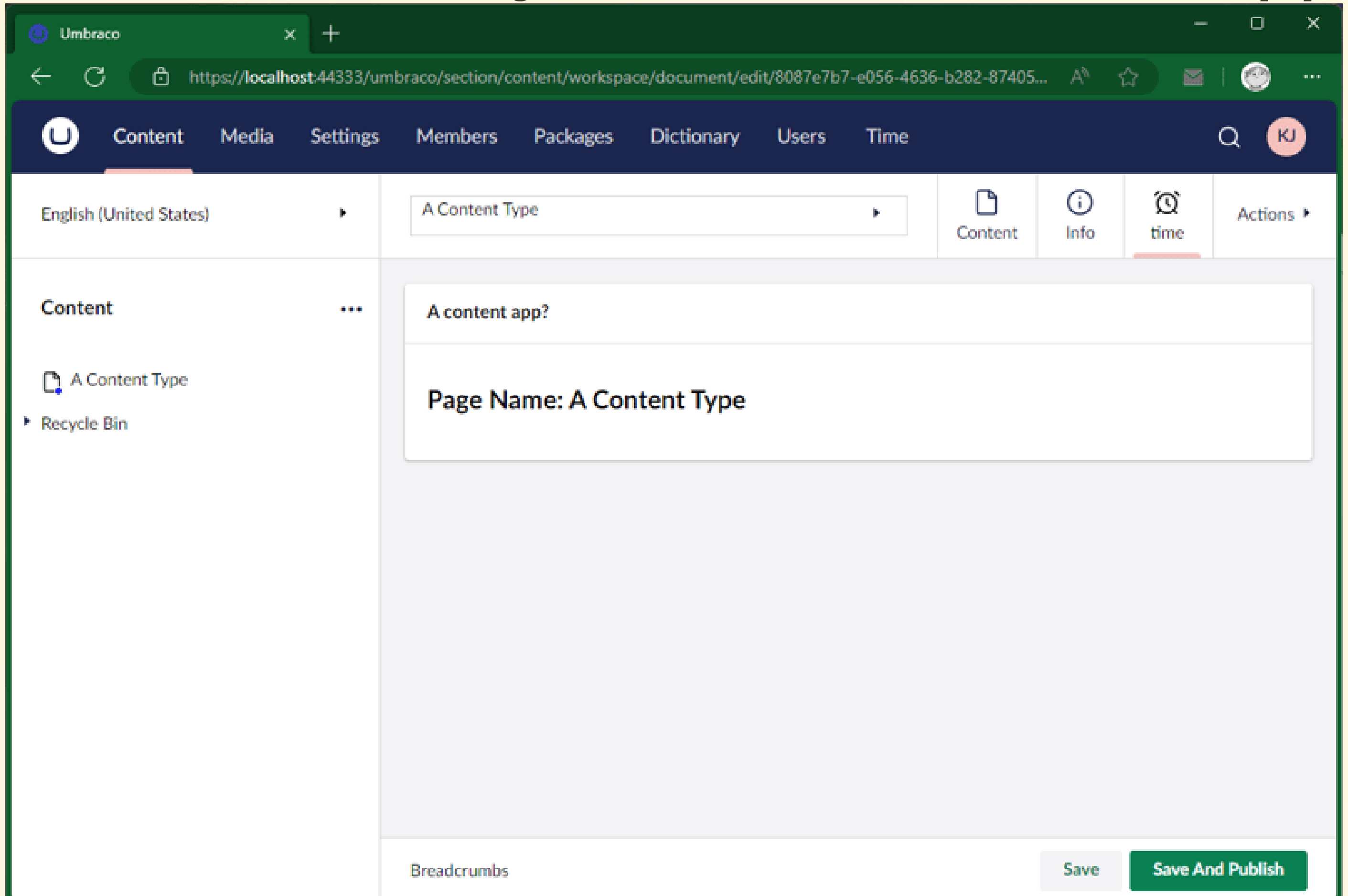
Workspaces



```
var workspaceManifest : ManifestWorkspace =
    type: 'workspace',
    alias: 'time.workspace',
    name: 'time workspace',
    element: ()=>
        import('./workspace.element'),
    meta: {
        entityType: 'time-workspace'
    }
};
```

Workspace views

The artist formally known as *"Content apps"*



A content app?

Page Name: A Content Type

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Workspace views

```
@customElement('time-document-workspace-view')
export class TimeDocumentWorkspaceElement
  extends UmbElementMixin(LitElement) {
    var pageName = "";
    constructor() {
      super();
      this.consumeContext(UMB_WORKSPACE_CONTEXT,
        (nodeContext) => {
          var variantContext = (nodeContext as UmbVariantableWorkspaceContextInterface);
            pageName = variantContext.getName();
        });
    }
    render() {
        ...
    }
}
```

Workspace views

```
@customElement('time-document-workspace-view')
export class TimeDocumentWorkspaceElement
  extends UmbElementMixin(LitElement) {
    var pageName = "";
    constructor() {
      ...
    }
    render() {
        return html`
            <uui-box headline="A content app?">{{pageName}}</uui-box>
        `;
    }
    static styles = css`
        uui-box {  margin: 20px; }
    `
}
```

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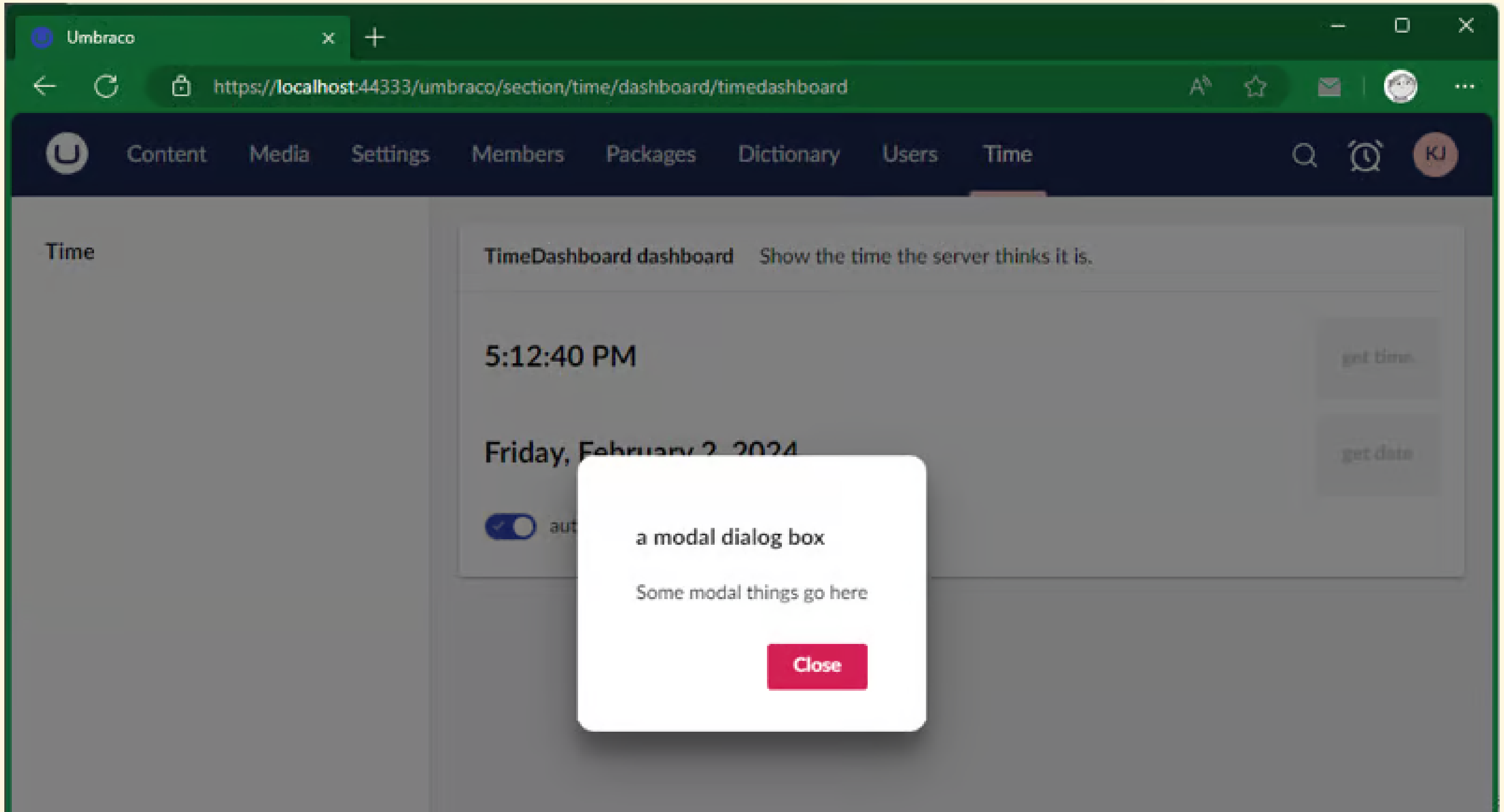
Header apps and modal dialogs



TimeDashboard dashboard Show the time the server thinks it is.

5:12:40 PM

Friday, February 2, 2024

a modal dialog box

Some modal things go here

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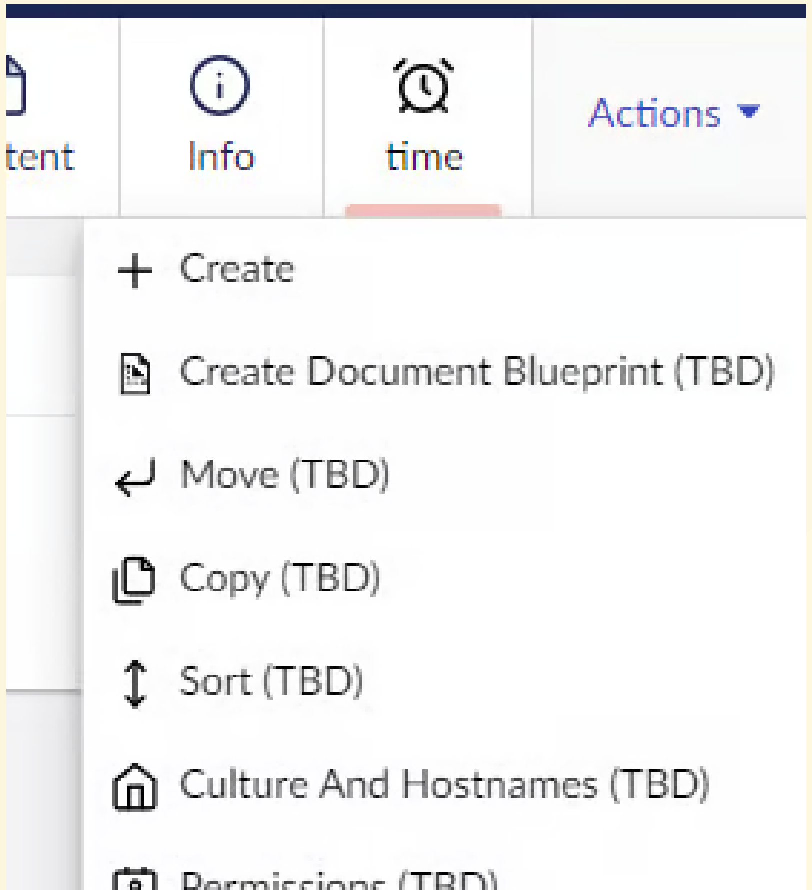
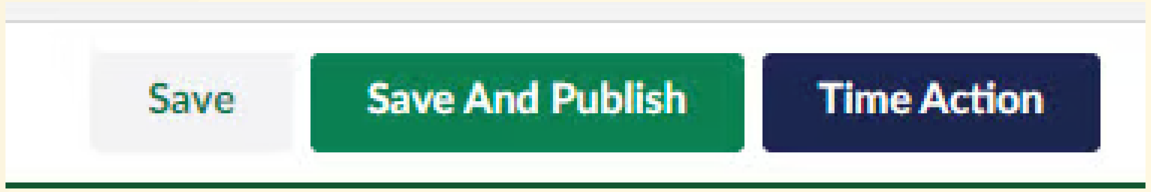
Actions

Entity Actions



Workspace Actions



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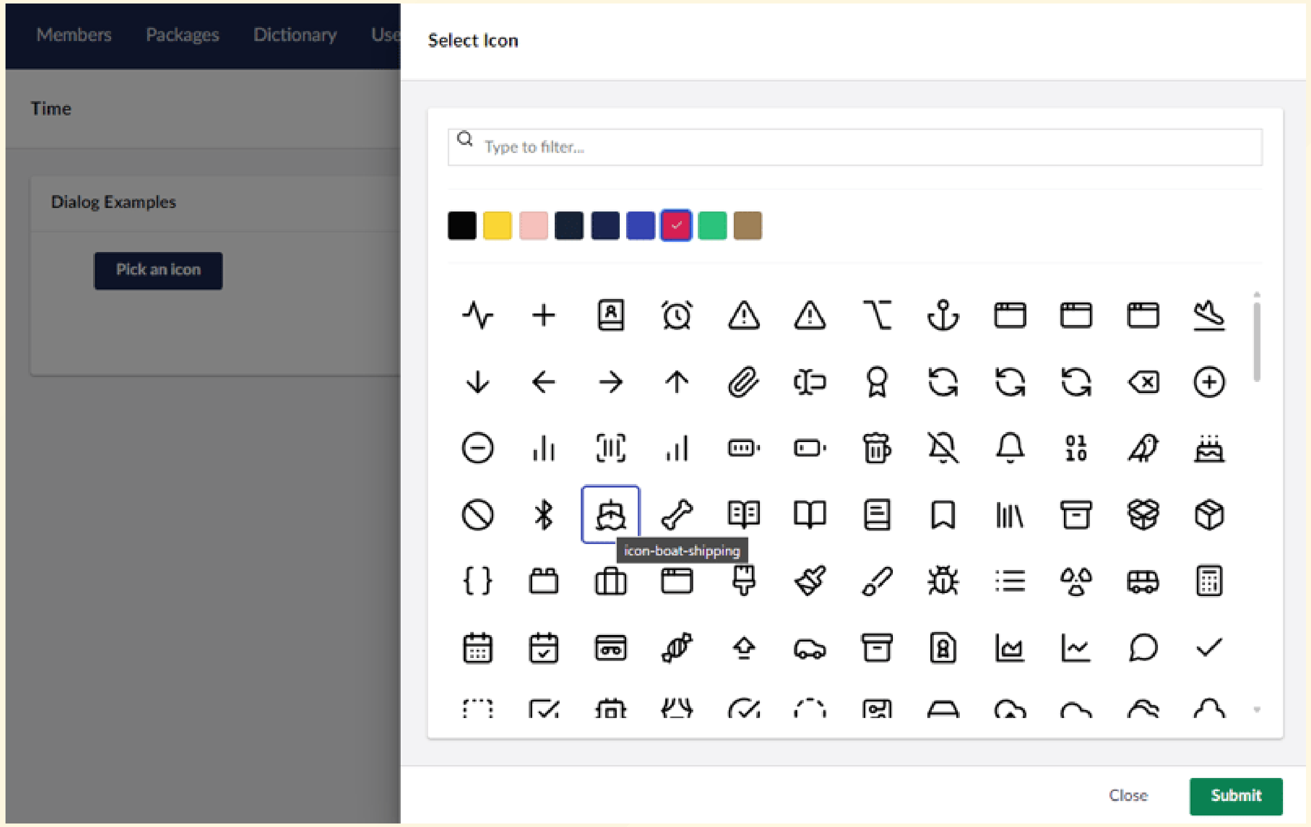
Dialogs



Done!

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- https://dev.to/kevinjump/series
- https://dev.to/leekelleher/umbraco-bellissima-wip-articles-29f8

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