

# Noticeboard SPFx Web Part

## ## Overview

The **Noticeboard** is a SharePoint Framework (SPFx) web part designed to display and manage notices efficiently within a SharePoint environment. This web part provides an intuitive interface for users to post, view, and manage important announcements.

## ## Features

- **Dynamic Notices**: Add, edit, and delete notices with ease.
- **Rich UI**: Utilizes Fluent UI components for a seamless user experience.
- **SharePoint Integration**: Fully integrates with SharePoint lists to store notices.
- **Customizable**: Configurable settings to control display options.
- **Responsive Design**: Works on desktop and mobile devices.

## ## Installation

### ### Prerequisites

Before installing, ensure you have the following installed:

- **Node.js** (Recommended: v16.x)
- **npm** or **yarn**
- **Gulp CLI** (`npm install -g gulp-cli`)
- **Yeoman & SharePoint Generator** (`npm install -g yo @microsoft/generator-sharepoint`)

### ### Setup Instructions

1. Clone the repository:

```
```sh
git clone <repository-url>
cd noticeboard-spfx
```
```

## 2. Install dependencies:

```
```sh
npm install
```
```

## 3. Run the development server:

```
```sh
gulp serve
```
```

## ## Dependencies

The project relies on the following key dependencies:

- **@microsoft/sp-core-library**: SharePoint Framework core library
- **@microsoft/sp-webpart-base**: Base classes for SPFx web parts
- **@pnp/sp**: PnPJS library for SharePoint operations
- **Fluent UI**: Modern UI components for styling
- **@pnp/spfx-controls-react**: Reusable controls for SPFx solutions

## ## Deployment

To package and deploy the web part to SharePoint:

### 1. Build the solution:

```
```sh
gulp build --ship
```
```

### 2. Bundle the solution:

```
```sh
gulp bundle --ship
```

...

### 3. Package the solution:

```
``sh
gulp package-solution --ship
``
```

4. Upload the generated `.sppkg`` file from the ``sharepoint/solution`` folder to your SharePoint App Catalog.

## ## Usage

1. Navigate to a SharePoint page.
2. Edit the page and add the **\*\*Noticeboard\*\*** web part.
3. Configure the settings and start managing notices.

## ## Contributing

Contributions are welcome! Feel free to submit issues or pull requests.

## ## License

This project is licensed under the MIT License.