# Replacements Management

The ManagementComponent component is a React component responsible for managing replacements within your application. It allows users to assign replacements to employees, specifying the replaced employee, start date, end date, and replacement employee.

# Features

* Assign replacements to employees.
* Search for employees dynamically.
* Validate replacement dates.
* Display success and error messages.

# Dependencies

* React
* React Bootstrap
* Lodash (for debounce)
* Tippy
* Moment.js
* SweetAlert2

# Installation

1. To use the Replacements Management component in your project, follow these steps:

npm install react-bootstrap lodash @tippyjs/react moment sweetalert2

1. Copy the ManagementComponent code into your project
2. Import and use the ManagementComponent in your application.

# Usage

# Usage Notes

import ManagementComponent from './path/to/ ManagementComponent';

function App() {

return (

<div className="App">

< ManagementComponent />

</div>

);

}

export default App;

1. Ensure that you have the necessary permissions to access the management module.
2. Make sure to handle errors gracefully and provide appropriate feedback to the user.
3. Customize the appearance and behavior of the component as needed.

# Example

Here's a basic example of how to use the ManagementComponent in your application:

import React from 'react';

import ReactDOM from 'react-dom';

import ManagementComponent from './path/to/ManagementComponent';

ReactDOM.render(

<React.StrictMode>

<ManagementComponent />

</React.StrictMode>,

document.getElementById('root')

);

# ReplacementsGrid Component

The ReplacementsGrid component is responsible for rendering a grid displaying replacement information. It allows users to edit replacements, invalidate them, and provides dynamic search functionality.

**replacements**: An array of replacement objects containing information such as name, start date, end date, and status.

**onUpdate**: A function to trigger updates after making changes to replacements.

import React from 'react';

import PropTypes from 'prop-types';

import ReplacementsManagementService from './ReplacementsManagementService';

const ReplacementsGrid = ({ replacements, onUpdate }) => {

// Component logic...

};

ReplacementsGrid.propTypes = {

replacements: PropTypes.array,

onUpdate: PropTypes.func,

};

export default ReplacementsGrid;

# Services

ReplacementsManagementService

The ReplacementsManagementService provides functions to interact with the backend API for managing replacements. It includes methods for fetching replacements, searching for replacements, saving replacements, updating replacements, and invalidating replacements.

import axios from 'axios';

import { Auth } from 'aws-amplify';

const url = process.env.REACT\_APP\_BACKEND\_URL\_GLOBAL;

const ReplacementsManagementService = {

getReplacements: async (setLoading, setReplacements, setDataNotFetched) => {

// Implementation...

},

searchReplacements: async (query, setLoadingResults, setResults) => {

// Implementation...

},

saveReplacement: async (setLoadingPost, replacementData, setResponse, setSuccess, setErrorMessage) => {

// Implementation...

},

updateReplacement: async (setLoadingEdit, selectedReplacement, setResponse, setSuccess, setErrorMessage) => {

// Implementation...

},

invalidateReplacement: async (id, setReplacementLoadingStates, setInvalidationMessage) => {

// Implementation...

}

};

export default ReplacementsManagementService;

# Usage

To use the ReplacementsGrid component and ReplacementsManagementService, follow these steps:

Import the ReplacementsGrid component into your React application.

Pass the necessary props to the ReplacementsGrid component, including the replacements array and the onUpdate function.

Import the ReplacementsManagementService and use its methods to interact with the backend API for managing replacements.