

Patient Flags Module OWA

Index

- [Index](#)
- [Overview](#)
- [Installation & Build](#)
 - [As a Part of Patient Flags Module](#)
 - [Independent Build](#)
 - [Dependencies](#)
- [Changing API Base URL](#)
- [Changing CSS](#)
- [Components](#)
 - [Flags](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
 - [Edit Flags \(Modal\)](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
 - [Tags](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
 - [Edit Tags \(Modal\)](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
 - [Priorities](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
 - [Edit Priority \(Modal\)](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
 - [Find Flagged Patients](#)
 - [API Endpoints used:](#)
 - [Functions:](#)
- [Resources](#)

Overview

The Patient Flags Module OWA is an Open Web Application built using React & React-Redux in order to act as a front end for the Rest API supported by the Patient Flags Module. The web application consumes the Patient Flags Module Web API and has 7 Components.

Installation & Build

As a Part of Patient Flags Module

The Patient Flags Module OWA is a part of the Patient Flags Module (found here), hence it is built and deployed in the same build pipeline as the rest of the module.

Independent Build

You may also build and install the OWA directly via the following steps -

1. Download the zip file from the GitHub Repo and unzip it.
2. In terminal, navigate to the root of the file and run the command - '**npm install**' to create the node_modules file and download the dependencies.
3. In '**webpack.config.js**' modify the '**LOCAL_OWA_FOLDER**' and '**APP_ENTRY_POINT**' parameters to point to your server's owa folder and the host.
4. Run the command - '**npm run build:deploy**' in order to build and deploy the OWA.

Dependencies

Major external dependencies are listed below. List of all dependencies can be found in package.json file.

Dependency	Functionality	Link
React-table	Rendering tables.	https://www.npmjs.com/package/react-table

Reactjs-popup	Generate modals.	https://www.npmjs.com/package/reactjs-popup
React-Redux	State management.	https://www.npmjs.com/package/react-redux

Changing API Base URL

The base url is obtained by appending a URI string to the location object obtained from window.origin.location. The base URL is contained in the following location-

Path	app/js/apiContext.js
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Changing CSS

All changes to css are to be made in the referenceapplication.css file.

Path	app/css/referenceapplication.css
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Components

Flags

API Endpoints used:

Endpoint	Ref
GET /patientflags/flag	full
DELETE /patientflags/flag/{flagName}	ref

Functions:

Function	Parameter	Description
deleteFlag	rowIndex	Delete flag data at particular row of table
buttonGenerator	index, passedData	Generate edit and delete action buttons for a particular record.
tagListGenerator	passedData	Generate object containing names of associated tags - rendered in table as comma separated values
handleOptionChangeTags		Handler for selecting tags when filtering flags by associated tags
handleEvaluatorChange		Handler for selecting how to filter tags (radio button options)
handleSubmit		Handler containing logic for filtering table data based on tags.
editCallback	dataFromChild, index	Handles data object returned from Edit Flags modal.

Edit Flags (Modal)

API Endpoints used:

Endpoint	Ref
GET /patientflags/flag/{flagName}	ref
POST /patientflags/flag/{FlagName}	ref

Functions:

Function	Parameter	Description
selectionMapping	data	Maps selected tags and priorities to state objects
postFlag		dispatches updateFlag action to POST new/updated flag data
handleOptionChangeTags		Handler for multi-select box when tags associated with flag are changed.
handleOptionChangePriority		Handler for drop down menu when priority associated with flag is changed.
handleSubmit		Handler for when flag data form is submitted.

Tags

API Endpoints used:

Endpoint	Ref
GET /patientflags/tag	ref
DELETE /patientflags/tag/{tagName}	ref

Functions:

Function	Parameter	Description
deleteTag	rowIndex	Delete tag data at particular row of table
buttonGenerator	index, passedData	Generate edit and delete action buttons for a particular record.
editCallback	dataFromChild, index	Handles data object returned from Edit Tags modal.

Edit Tags (Modal)

API Endpoints used:

Endpoint	Ref
GET /patientflags/tag/{tagName}	ref
POST /patientflags/flag/{tagName}	ref
GET /patientflags/displaypoint	ref
GET /role	ref

Functions:

Function	Parameter	Description
selectionMapping	data	Maps selected tags and priorities to state objects
displayPointReferenceStore	data	Coverts displayPoint names into numeric values - 1 for Patient Header & 2 for Patient Dashboard
postTag		dispatches updateTag action to POST new/updated tag data
handleOptionChangeRoles		Handler for multi-select box when roles associated with tag are changed.
handleOptionChangeDisplayPoint		Handler for multi-select box when display points associated with tag are changed.
handleSubmit		Handler for when tag data form is submitted.

Priorities

API Endpoints used:

Endpoint	Ref
GET /patientflags/priority	full
DELETE /patientflags/priority/{priorityName}	def

Functions:

Function	Parameter	Description
deletePriority	rowIndex	Delete priority data at particular row of table
buttonGenerator	index, passedData	Generate edit and delete action buttons for a particular record.
colorIndicator	hexCode	Converts a given hex code value into a colored circle UI element displayed in the 'Indicators' column.
editCallback	dataFromChild, index	Handles data object returned from Edit Priority modal.

Edit Priority (Modal)

API Endpoints used:

Endpoint	Ref
GET /patientflags/priority/{priorityName}	def
POST /patientflags/priority/{priorityName}	def

Functions:

Function	Parameter	Description
postPriority		dispatches update Priority action to POST new/updated priority data
handleColorChange	color	Handler for color picker.
handleSubmit		Handler for when flag data form is submitted.

Find Flagged Patients

API Endpoints used:

Endpoint	Parameter
GET /patientflags/eval	flag = flagName

Functions:

Function	Parameter	Description
handleOptionChangeFlags		Handler for selecting flags when searching patients by associated flags

Resources

TBD