Quickstart React Integration (Item View) Monday.com

Solution Summary

This React App is a custom Item View integration for Monday.com. This Item View displays a simple form with data of selected Board item. From this form, user can update Item column fields (Name, Status, Description).

Libraries & Techniques Used

Monday.com
- Created account in Monday.com

Item View
- Created App in Developers Section
- Added Item View Feature, followed all the steps that left me with Item View Feature and a skeleton React App in my machine.

monday-ui-react-core
- Used this package's css and components for building UI
- Used css variables and class from this package to create custom styled components
- Used a custom hook exported from this package 'usePrevious' to monitor previous state.

UI components used from this package are:-
1. Flex :- to create a flex box container.
2. Button :- Used as a submit button
3. Textfield :- Used for text input field
4. Dropdown :- Used for Dropdown select input field

react-hook-form
- Used this package to handle form validation and form submission.

Of Course could have avoided using this package, but using it makes form handling much simpler.

React Context API
- Implemented React Context to set state for the application to use.

monday-sdk-js

Methods used from this package are :-

1. monday.api :-
   Used this to query the GraphQL API seamlessly on behalf of the connected user or by using an API token.

2. monday.listen :-
   Used this method to create a listener that allows subscribing to certain types of client-side events. Subscribed to change in 'context' of monday board by using monday.listen('context')

3. monday.execute :-
   Used this method to invoke an action on the parent monday client. Used this to open the monday alert banner when successfully updating the Item.

4. monday.setToken :-
   Used this method to set Monday API token for seamless authorization when querying GraphQL api of Monday.com.
   monday.setToken(<MY_APP_API_TOKEN>)