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import React, { Fragment, useEffect, useState } from "react";
import { DatePicker, Input, Select, Row, Col } from "antd";
import Flex from "components/shared-components/Flex";
import { isEmpty } from "lodash";
import { SearchOutlined } from "@ant-design/icons";
import { MediSelect } from "components/Custom";

const FilterComponentCustom = (props) => {
  const {
    children,
    datasource,
    onSearchImmediate,
    // onClearFilter,
    renderFilterMoreView,
    renderInputSearch,
    renderDatePicker,
    placeholderSearch = "Tìm kiếm",
  } = props;

  const dateFormat = "DD/MM/YYYY";

  const [formData, setFormData] = useState({ ...datasource });
  const [keyDate, setKeyDate] = useState(Date.now());
  const [keySearchText, setKeySearchText] = useState("searchText");

  useEffect(() => {
    if(datasource.startDate===null){
      setKeyDate(Date.now())
    }
    if(datasource?.searchText===null){
      setKeySearchText(Date.now().toString())
    }
    setFormData({ ...datasource });
  }, [datasource]);

  const onItemValueChanged = (child) => {
    const handleValueChange = (value, dataField) => {
      const newData = {
        ...formData,
        [dataField]: value,
      };
      setFormData(newData);
      if (onSearchImmediate) {
        onSearchImmediate(newData, dataField);
      }
    };

    if (child.type === Select || child.type === DatePicker || child.type === MediSelect) {
      return (value) => {
        handleValueChange(value, child.props["data-field"]);
      };
    }
    // else if to-do
    else {
      return (e) => {
        let { value } = e.target;
        handleValueChange(value, child.props["data-field"]);
      };
    }
  };

  const onChangeSearch = (text) => {
    let newData;
    newData = {
      ...formData,
      searchText: text,
    };

    setFormData(newData);

    if (onSearchImmediate) {

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        onSearchImmediate(newData);
    }
};

const handleSearchChange = (e) => {
    const { value } = e.target;
    console.log(value, "value")
    if (!value) {
        onChangeSearch(value);
    }
};

const onDefaultItemValueChange = (field) => (e) => {
    let newData;
    if (field === "DatePicker") {
        const [startDate, endDate] = isEmpty(e)
            ? [null, null]
            : [e[0].toISOString(), e[1].toISOString()];
        newData = {
            ...formData,
            startDate,
            endDate,
        };
    } else {
        const { target } = e;
        newData = {
            ...formData,
            [field]: target.value,
        };
    }

    setFormData(newData);

    if (onSearchImmediate) {
        onSearchImmediate(newData);
    }
};

//Custom render children
const renderChildren = (item) => {
    if (!item) return null;

    const { "data-field": dataField, label } = item.props;

    //Add event listener to children
    let child;

    child = React.cloneElement(item, {
        value: formData[dataField],
        className: "mb-1",
        onChange: onItemValueChanged(item),
    });

    //add custom title
    if (label && label.trim().length > 0) {
        return (
            <Fragment key={item.key}>
                <Col>
                    <label className="d-block mb-1">{label}</label>
                    {child}
                </Col>
            </Fragment>
        );
    }

    return (
        <Fragment key={item.key}>
            <Col>{child}</Col>
        </Fragment>
    );
};

return (
    <Flex>

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<Row gutter={16} align="bottom">
  {renderInputSearch && (
    <Col className="mb-1">
      <Input
        type="string"
        key={keySearchText}
        data-field="searchText"
        defaultValue={formData.searchText}
        placeholder={placeholderSearch}
        allowClear
        style={{ width: "224px" }}
        prefix={<SearchOutlined />}
        onPressEnter={onDefaultItemValueChange("searchText")}
        onChange={handleSearchChange}
        // onSearch={onChangeSearch}
      />
    </Col>
  )}
  {renderDatePicker && (
    <Col className="mb-1">
      <DatePicker.RangePicker
        defaultValue={[
          formData.startDate,
          formData.endDate,
        ]}
        key={keyDate}
        format={dateFormat}
        onChange={onDefaultItemValueChange("DatePicker")}
      />
    </Col>
  )}
  {React.Children.map(children, (childItem) => renderChildren(childItem))}
  <Col className="mb-1">
    {renderFilterMoreView && renderFilterMoreView()}
  </Col>
</Row>
</Flex>
);
};

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export default FilterComponentCustom;

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