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/**
 * @file BergenTracks.jsx
 * @author Joey Damico
 * @date September 25, 2019
 * @summary React JSX Component Class that is for The Tracks of the
Bergen County Line
 * Extends the React Component Class and is the UI part of the Bergen
County Line Tracks,
 * this class controls all the drawings of routes, and also gives a
visual representation
 * of that status of the interlocking
 */

// Import React Component
import React, { Component } from 'react';
// Import CSS style sheet
import '../css/Bergen_County_Line/bergenCounty.css';

/**
 * The React JSX Component Class for the Tracks in the Bergen County
Line portion
 * his class is a JSX React Component for the Bergen County Line
Tracks, this will control all the UI for the comonent,
 * showing what blocks are occupied by a train
 */
class BergenTracks extends Component {
  /**
   * State
   * @summary Object that holds the state or status information for
the component
   * This object holds all the information for the tracks that is
required to display the routes
   * correctly Anything that has "this.props." is passed down from
the CTC interlocking class
   */
  state = {
    // Symbols
    symbol_ridgewood_bt_1:
this.props.symbols.symbol_ridgewood_bt_1,
    symbol_ridgewood_bt_2:
this.props.symbols.symbol_ridgewood_bt_2,
    symbol_bt_pascack_1: this.props.symbols.symbol_bt_pascack_1,
    symbol_bt_pascack_2: this.props.symbols.symbol_bt_pascack_2,
    symbol_bt_nysw: this.props.symbols.symbol_bt_nysw,
    symbol_pascack_hx_1: this.props.symbols.symbol_pascack_hx_1,
    symbol_pascack_hx_2: this.props.symbols.symbol_pascack_hx_2,
    symbol_hx_laurel_1: this.props.symbols.symbol_hx_laurel_1,
    symbol_hx_laurel_2: this.props.symbols.symbol_hx_laurel_2,
    symbol_hx_croxtton_1: this.props.symbols.symbol_hx_croxtton_1,
  }
}

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symbol_hx_croxton_2: this.props.symbols.symbol_hx_croxton_2,

// Blocks
block_hx_laurel_1: this.props.blocks.block_hx_laurel_1,
block_hx_laurel_2: this.props.blocks.block_hx_laurel_2,

block_pascack_hx_1: this.props.blocks.block_pascack_hx_1,
block_pascack_hx_2: this.props.blocks.block_pascack_hx_2,

block_bt_pascack_1: this.props.blocks.block_bt_pascack_1,
block_bt_pascack_2: this.props.blocks.block_bt_pascack_2,

block_ridgewood_bt_1: this.props.blocks.block_ridgewood_bt_1,
block_ridgewood_bt_2: this.props.blocks.block_ridgewood_bt_2,

block_bt_nysw: this.props.blocks.block_bt_nysw,
block_hx_croxton_1: this.props.blocks.block_hx_croxton_1,
block_hx_croxton_2: this.props.blocks.block_hx_croxton_2
};

/**
 * componentWillReceiveProps()
 * @summary Function that updates the state of the component
 * The data that is being changed is passed down from the CTC
classes in the simulation backend
 *
 * @param nextProps, the new data to set the component state too
 */
componentWillReceiveProps(nextProps) {
  this.setState({
    // Symbols
    symbol_ridgewood_bt_1:
nextProps.symbols.symbol_ridgewood_bt_1,
    symbol_ridgewood_bt_2:
nextProps.symbols.symbol_ridgewood_bt_2,
    symbol_bt_pascack_1:
nextProps.symbols.symbol_bt_pascack_1,
    symbol_bt_pascack_2:
nextProps.symbols.symbol_bt_pascack_2,
    symbol_bt_nysw: nextProps.symbols.symbol_bt_nysw,
    symbol_pascack_hx_1:
nextProps.symbols.symbol_pascack_hx_1,
    symbol_pascack_hx_2:
nextProps.symbols.symbol_pascack_hx_2,
    symbol_hx_laurel_1: nextProps.symbols.symbol_hx_laurel_1,
    symbol_hx_laurel_2: nextProps.symbols.symbol_hx_laurel_2,
    symbol_hx_croxton_1:
nextProps.symbols.symbol_hx_croxton_1,
    symbol_hx_croxton_2:
nextProps.symbols.symbol_hx_croxton_2,

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        // Blocks
        block_hx_laurel_1: nextProps.blocks.block_hx_laurel_1,
        block_hx_laurel_2: nextProps.blocks.block_hx_laurel_2,

        block_pascack_hx_1: nextProps.blocks.block_pascack_hx_1,
        block_pascack_hx_2: nextProps.blocks.block_pascack_hx_2,

        block_bt_pascack_1: nextProps.blocks.block_bt_pascack_1,
        block_bt_pascack_2: nextProps.blocks.block_bt_pascack_2,

        block_ridgewood_bt_1:
nextProps.blocks.block_ridgewood_bt_1,
        block_ridgewood_bt_2:
nextProps.blocks.block_ridgewood_bt_2,

        block_bt_nysw: nextProps.blocks.block_bt_nysw,
        block_hx_croxtton_1: nextProps.blocks.block_hx_croxtton_1,
        block_hx_croxtton_2: nextProps.blocks.block_hx_croxtton_2
    });
}
// ---- END componentWillReceiveProps() ----

/**
 * render()
 * @summary standard React function that draws the interlocking to
the screen
 */
render() {
    return (
        <div>
            { /* Tags */ }
            <div className="bt_nysw_tag">NYS&W RR</div>
            <div className="hx_line_tag">Norfolk Southern Croxtton
Yard</div>

            { /* Symbols */ }
            <div
className="symbol_ridgewood_bt_1">{this.state.symbol_ridgewood_bt_1}</
div>
                <div
className="symbol_ridgewood_bt_2">{this.state.symbol_ridgewood_bt_2}</
div>
                    <div
className="symbol_bt_pascack_1">{this.state.symbol_bt_pascack_1}</div>
                        <div
className="symbol_bt_pascack_2">{this.state.symbol_bt_pascack_2}</div>
                            <div
className="symbol_bt_nysw">{this.state.symbol_bt_nysw}</div>
                                <div

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className="symbol_pascack_hx_1">{this.state.symbol_pascack_hx_1}</div>
    <div
className="symbol_pascack_hx_2">{this.state.symbol_pascack_hx_2}</div>
    <div
className="symbol_hx_laurel_1">{this.state.symbol_hx_laurel_1}</div>
    <div
className="symbol_hx_laurel_2">{this.state.symbol_hx_laurel_2}</div>
    <div
className="symbol_hx_croxtion_1">{this.state.symbol_hx_croxtion_1}</div>
    <div
className="symbol_hx_croxtion_2">{this.state.symbol_hx_croxtion_2}</div>

    {/* Tracks */}
    {/* Yard Leads */}
    <div className="b_croxtion_1" style={{background:
this.state.block_hx_croxtion_1}}></div>
    <div className="b_croxtion_2" style={{background:
this.state.block_hx_croxtion_2}}></div>
    <div className="b_nysw" style={{background:
this.state.block_bt_nysw}}></div>

    {/* Laurel to HX */}
    <div className="b_laurel_hx_1_west"
style={{background: this.state.block_hx_laurel_1}}></div>
    <div className="b_laurel_hx_1_diag"
style={{background: this.state.block_hx_laurel_1}}></div>
    <div className="b_laurel_hx_1_east"
style={{background: this.state.block_hx_laurel_1}}></div>
    <div className="b_laurel_hx_2_west"
style={{background: this.state.block_hx_laurel_2}}></div>
    <div className="b_laurel_hx_2_diag"
style={{background: this.state.block_hx_laurel_2}}></div>
    <div className="b_laurel_hx_2_east"
style={{background: this.state.block_hx_laurel_2}}></div>

    {/* HX to Pascack Junction */}
    <div className="b_hx_pascack_1" style={{background:
this.state.block_pascack_hx_1}}></div>
    <div className="b_hx_pascack_2" style={{background:
this.state.block_pascack_hx_2}}></div>

    {/* Pascack Junction to BT */}
    <div className="b_pascack_bt_1" style={{background:
this.state.block_bt_pascack_1}}></div>
    <div className="b_pascack_bt_2" style={{background:
this.state.block_bt_pascack_2}}></div>

    {/* BT to Ridgewood Junction */}
    <div className="b_bt_ridgewood_1_east"
style={{background: this.state.block_ridgewood_bt_1}}></div>

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        <div className="b_bt_ridgewood_1_diag"
style={{background: this.state.block_ridgewood_bt_1}}></div>
        <div className="b_bt_ridgewood_1_west"
style={{background: this.state.block_ridgewood_bt_1}}></div>
        <div className="b_bt_ridgewood_2_east"
style={{background: this.state.block_ridgewood_bt_2}}></div>
        <div className="b_bt_ridgewood_2_diag"
style={{background: this.state.block_ridgewood_bt_2}}></div>
        <div className="b_bt_ridgewood_2_west"
style={{background: this.state.block_ridgewood_bt_2}}></div>
    </div>
    );
}
// ---- END render() ----
}

// Export the tracks to be drawn on the screen
export default BergenTracks;

```