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

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


/**
 * The React JSX Component Class for the Tracks in the Southern Tier
portion
 *
 * This class is a JSX React Component for the Southern Tier Tracks,
this will control all the UI for the comonent,
 * showing what blocks are occupied by a train
 */
class SouthernTierTracks 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
     */
    state = {
        // Train Symbols
        symbol_bingo_sparrow: this.props.symbols.symbol_bingo_sparrow,
        symbol_sparrow_pa_1: this.props.symbols.symbol_sparrow_pa_1,
        symbol_sparrow_pa_2: this.props.symbols.symbol_sparrow_pa_2,
        symbol_pa_port_1: this.props.symbols.symbol_pa_port_1,
        symbol_port_bc_1: this.props.symbols.symbol_port_bc_1,
        symbol_pa_bc_2: this.props.symbols.symbol_pa_bc_2,
        symbol_port_yardEast: this.props.symbols.symbol_port_yardEast,
        symbol_bc_ov: this.props.symbols.symbol_bc_ov,
        symbol_ov_howells_1: this.props.symbols.symbol_ov_howells_1,
        symbol_ov_howells_2: this.props.symbols.symbol_ov_howells_2,
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        // Second Row
        symbol_howells_hall: this.props.symbols.symbol_howells_hall,
        symbol_hall_yard: this.props.symbols.symbol_hall_yard,
        symbol_hall_hudson_1: this.props.symbols.symbol_hall_hudson_1,
        symbol_hall_hudson_2: this.props.symbols.symbol_hall_hudson_2,
        symbol_hudson_valley: this.props.symbols.symbol_hudson_valley,
        symbol_hudson_nysw: this.props.symbols.symbol_hudson_nysw,
        symbol_valley_harriman_1:
this.props.symbols.symbol_valley_harriman_1,
        symbol_valley_harriman_2:
this.props.symbols.symbol_valley_harriman_2,
        // Third Row
        symbol_harriman_sterling:
this.props.symbols.symbol_harriman_sterling,
        symbol_harriman_industrial:
this.props.symbols.symbol_harriman_industrial,


        // Blocks
        harriman_sterling_1:
this.props.blocks.block_harriman_sterling_1,

        valley_harriman_1: this.props.blocks.block_valley_harriman_1,
        valley_harriman_2: this.props.blocks.block_valley_harriman_2,
        harriman_industrial:
this.props.blocks.block_harriman_industrial,

        hudson_valley_1: this.props.blocks.block_hudson_valley_1,
        hudson_nysw: this.props.blocks.block_hudson_nysw,

        hall_hudson_1: this.props.blocks.block_hall_hudson_1,
        hall_hudson_2: this.props.blocks.block_hall_hudson_2,
        hall_yard: this.props.blocks.block_hall_yard,

        howells_hall_1: this.props.blocks.block_howells_hall_1,

        ov_howells_1: this.props.blocks.block_ov_howells_1,
        ov_howells_2: this.props.blocks.block_ov_howells_2,

        bc_ov_1: this.props.blocks.block_bc_ov_1,

        port_bc_1: this.props.blocks.block_port_bc_1,
        pa_port_1: this.props.blocks.block_pa_port_1,
        pa_bc_2: this.props.blocks.block_pa_bc_2,
        port_yard_west: this.props.blocks.block_port_yard_west,
        port_yard_east: this.props.blocks.block_port_yard_east,

        buckleys_west: this.props.blocks.block_buckleys_west,
        buckleys_east: this.props.blocks.block_buckleys_east,
```

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            sparrow_pa_1: this.props.blocks.block_sparrow_pa_1,
            sparrow_pa_2: this.props.blocks.block_sparrow_pa_2,
            sparrow_cripple: this.props.blocks.block_sparrow_cripple,

            bingo_sparrow: this.props.blocks.block_bingo_sparrow
        };

        /**
         * 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({
                // Train Symbols
                symbol_bingo_sparrow:
nextProps.symbols.symbol_bingo_sparrow,
                symbol_sparrow_pa_1:
nextProps.symbols.symbol_sparrow_pa_1,
                symbol_sparrow_pa_2:
nextProps.symbols.symbol_sparrow_pa_2,
                symbol_pa_port_1: nextProps.symbols.symbol_pa_port_1,
                symbol_port_bc_1: nextProps.symbols.symbol_port_bc_1,
                symbol_pa_bc_2: nextProps.symbols.symbol_pa_bc_2,
                symbol_port_yardEast:
nextProps.symbols.symbol_port_yardEast,
                symbol_bc_ov: nextProps.symbols.symbol_bc_ov,
                symbol_ov_howells_1:
nextProps.symbols.symbol_ov_howells_1,
                symbol_ov_howells_2:
nextProps.symbols.symbol_ov_howells_2,
                // Second Row
                symbol_howells_hall:
nextProps.symbols.symbol_howells_hall,
                symbol_hall_yard: nextProps.symbols.symbol_hall_yard,
                symbol_hall_hudson_1:
nextProps.symbols.symbol_hall_hudson_1,
                symbol_hall_hudson_2:
nextProps.symbols.symbol_hall_hudson_2,
                symbol_hudson_valley:
nextProps.symbols.symbol_hudson_valley,
                symbol_hudson_nysw: nextProps.symbols.symbol_hudson_nysw,
                symbol_valley_harriman_1:
nextProps.symbols.symbol_valley_harriman_1,
                symbol_valley_harriman_2:
nextProps.symbols.symbol_valley_harriman_2,
```

```
            // Third Row
            symbol_harriman_sterling:
nextProps.symbols.symbol_harriman_sterling,
            symbol_harriman_industrial:
nextProps.symbols.symbol_harriman_industrial,


            // Blocks
            harriman_sterling_1:
nextProps.blocks.block_harriman_sterling_1,

            valley_harriman_1:
nextProps.blocks.block_valley_harriman_1,
            valley_harriman_2:
nextProps.blocks.block_valley_harriman_2,
            harriman_industrial:
nextProps.blocks.block_harriman_industrial,

            hudson_valley_1: nextProps.blocks.block_hudson_valley_1,
            hudson_nysw: nextProps.blocks.block_hudson_nysw,

            hall_hudson_1: nextProps.blocks.block_hall_hudson_1,
            hall_hudson_2: nextProps.blocks.block_hall_hudson_2,
            hall_yard: nextProps.blocks.block_hall_yard,

            howells_hall_1: nextProps.blocks.block_howells_hall_1,

            ov_howells_1: nextProps.blocks.block_ov_howells_1,
            ov_howells_2: nextProps.blocks.block_ov_howells_2,

            bc_ov_1: nextProps.blocks.block_bc_ov_1,

            port_bc_1: nextProps.blocks.block_port_bc_1,
            pa_port_1: nextProps.blocks.block_pa_port_1,
            pa_bc_2: nextProps.blocks.block_pa_bc_2,
            port_yard_west: nextProps.blocks.block_port_yard_west,
            port_yard_east: nextProps.blocks.block_port_yard_east,

            buckleys_west: nextProps.blocks.block_buckleys_west,
            buckleys_east: nextProps.blocks.block_buckleys_east,

            sparrow_pa_1: nextProps.blocks.block_sparrow_pa_1,
            sparrow_pa_2: nextProps.blocks.block_sparrow_pa_2,
            sparrow_cripple: nextProps.blocks.block_sparrow_cripple,

            bingo_sparrow: nextProps.blocks.block_bingo_sparrow
        });
    }
    // ---- END componentWillReceiveProps() ----
```

```
    /**
     * render()
     * @summary standard React function that draws the interlocking to
the screen
     */
    render() {

        return (
            <div>
                {/* Tags */}
                <div className="port_jervis_tag_1">Port Jervis Yard</
div>
                <div className="crippple_tag">Cripple</div>
                <div className="hall_yard_tag">Campbell Hall Yard</
div>
                <div className="hudson_nysw_tag">NYS&W RR</div>
                <div className="harriman_int_tag">Harriman</div>
                <div className="harriman_int_tag_2">Industrial</div>

                {/* Train Symbols */}
                {/* First Row */}
                <div
className="symbol_bingo_sparrow">{this.state.symbol_bingo_sparrow}</
div>
                <div
className="symbol_sparrow_pa_1">{this.state.symbol_sparrow_pa_1}</div>
                <div
className="symbol_sparrow_pa_2">{this.state.symbol_sparrow_pa_2}</div>
                <div
className="symbol_port_yardEast">{this.state.symbol_port_yardEast}</
div>
                <div
className="symbol_pa_port_1">{this.state.symbol_pa_port_1}</div>
                <div
className="symbol_port_bc_1">{this.state.symbol_port_bc_1}</div>
                <div
className="symbol_pa_bc_2">{this.state.symbol_pa_bc_2}</div>
                <div
className="symbol_bc_ov">{this.state.symbol_bc_ov}</div>
                <div
className="symbol_ov_howells_1">{this.state.symbol_ov_howells_1}</div>
                <div
className="symbol_ov_howells_2">{this.state.symbol_ov_howells_2}</div>
                {/* Second Row */}
                <div
className="symbol_howells_hall">{this.state.symbol_howells_hall}</div>
                <div
className="symbol_hall_yard">{this.state.symbol_hall_yard}</div>
                <div
className="symbol_hall_hudson_1">{this.state.symbol_hall_hudson_1}</
```

```
div>
                <div
className="symbol_hall_hudson_2">{this.state.symbol_hall_hudson_2}</
div>
                <div
className="symbol_hudson_valley">{this.state.symbol_hudson_valley}</
div>
                <div
className="symbol_hudson_nysw">{this.state.symbol_hudson_nysw}</div>
                <div
className="symbol_valley_harriman_1">{this.state.symbol_valley_harrima
n_1}</div>
                <div
className="symbol_valley_harriman_2">{this.state.symbol_valley_harrima
n_2}</div>
                {/* Third Row */}
                <div
className="symbol_harriman_sterling">{this.state.symbol_harriman_sterl
ing}</div>
                <div
className="symbol_harriman_industrial">{this.state.symbol_harriman_ind
ustrial}</div>


                {/* First Line */}
                {/* Sterling to Harriman */}
                <div className="s_sterling_harriman"
style={{background: this.state.harriman_sterling_1}}></div>

                {/* Harriman to Screen */}
                <div className="s_screen_harriman_1"
style={{background: this.state.valley_harriman_1}}></div>
                <div className="s_screen_harriman_2"
style={{background: this.state.valley_harriman_2}}></div>
                <div className="s_harriman_industrial"
style={{background: this.state.harriman_industrial}}></div>


                {/* Second Line */}
                {/* Screen to Central Valley */}
                <div className="s_central_valley_screen_2"
style={{background: this.state.valley_harriman_2}}></div>
                <div className="s_central_valley_screen_1"
style={{background: this.state.valley_harriman_1}}></div>

                {/* Central Valley to Hudson Junction */}
                <div className="s_hudson_valley" style={{background:
this.state.hudson_valley_1}}></div>

                {/* NYS&W Hudson Junction Lead */}
                <div className="s_hudson_nysw" style={{background:
```

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                    this.state.hudson_nysw}}></div>

                    {/* Hudson Junction to Hall */}
                    <div className="s_hall_hudson_2" style={{background:
this.state.hall_hudson_2}}></div>
                    <div className="s_hall_hudson_1" style={{background:
this.state.hall_hudson_1}}></div>

                    {/* Howells to Hall */}
                    <div className="s_howells_hall" style={{background:
this.state.howells_hall_1}}></div>

                    {/* Hall Yard Lead */}
                    <div className="s_hall_yard" style={{background:
this.state.hall_yard}}></div>

                    {/* Howells to Screen */}
                    <div className="s_screen_howells_2"
style={{background: this.state.ov_howells_2}}></div>
                    <div className="s_screen_howells_1"
style={{background: this.state.ov_howells_1}}></div>


                    {/* Third Line */}
                    {/* Screen to OV */}
                    <div className="s_ov_screen_2" style={{background:
this.state.ov_howells_2}}></div>
                    <div className="s_ov_screen_1" style={{background:
this.state.ov_howells_1}}></div>

                    {/* OV to BC */}
                    <div className="s_ov_bc" style={{background:
this.state.bc_ov_1}}></div>

                    {/* BC to Port Jervis */}
                    <div className="s_bc_port_1" style={{background:
this.state.port_bc_1}}></div>

                    {/* Port Jervis to PA */}
                    <div className="s_port_pa_1" style={{background:
this.state.pa_port_1}}></div>
                    <div className="s_bc_pa_2" style={{background:
this.state.pa_bc_2}}></div>

                    {/* Port Jervis Yard */}
                    <div className="s_port_yard_west" style={{background:
this.state.port_yard_west}}></div>
                    <div className="s_port_yard_east" style={{background:
this.state.port_yard_east}}></div>
```

```
                {/* PA to Sparrow */}
                <div className="s_sparrow_pa_1" style={{background:
this.state.sparrow_pa_1}}></div>
                <div className="s_sparrow_pa_2" style={{background:
this.state.sparrow_pa_2}}></div>

                {/* Sparrow Cripple */}
                <div className="s_sparrow_cripple" style={{background:
this.state.sparrow_cripple}}></div>

                {/* Sparrow to Screen */}
                <div className="s_screen_sparrow" style={{background:
this.state.bingo_sparrow}}></div>
            </div>
        );
    }
    // ---- END render() ----
}

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