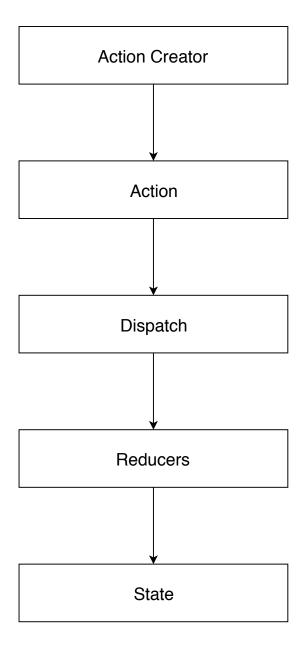
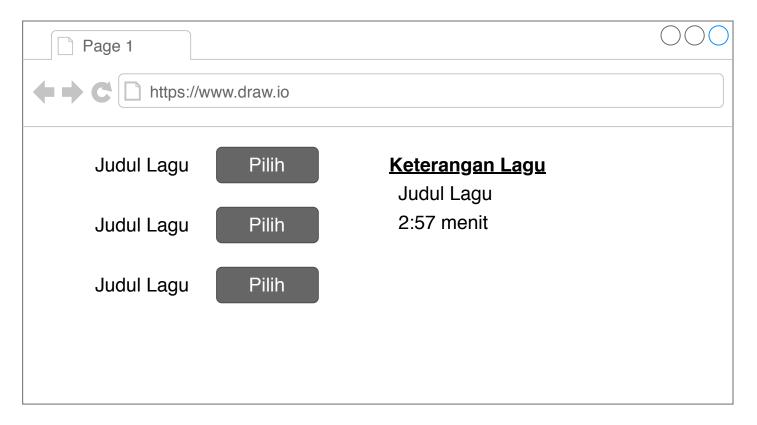


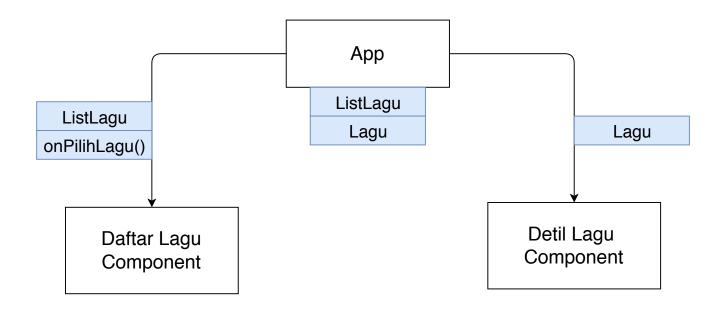
Redux Cycle

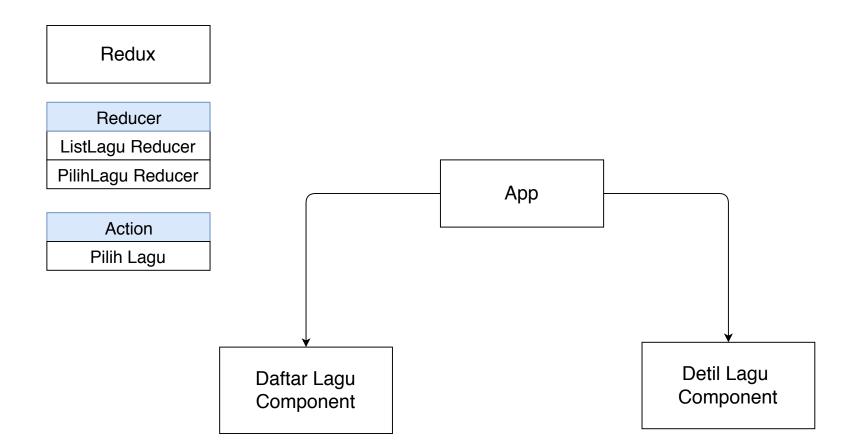


Hands On

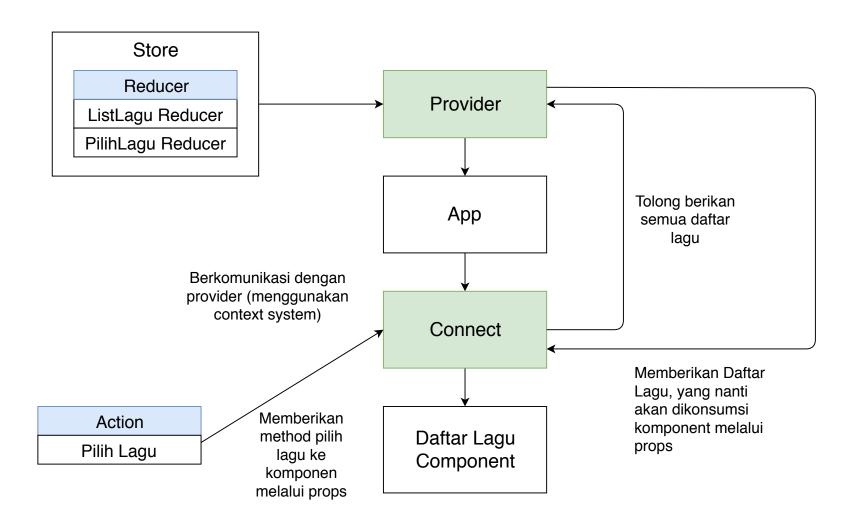


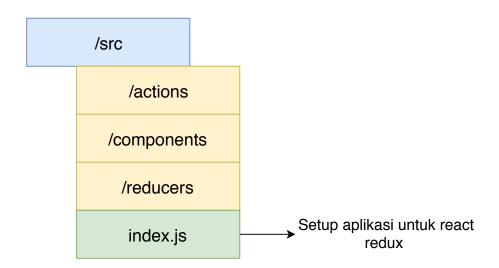
Tanpa Redux





npm install --save redux react-redux





buat file baru src > actions > index.js

```
// Action Creator
export const selectSong = (song) => {
   return {
     type: 'SONG_SELECTED',
     payload: song
   };
};
```

buat file baru src > reducers > index.js

```
import {combineReducers} from "redux";
|const songsReducer = () => {
  return [
     {title: 'ABC', duration: '01:00'},
    {title: '123', duration: '01:30'},
|const selectedSongReducer = (selectSong = null, action) => {
  if (action.type === 'SONG_SELECTED') {
     return action.payload;
  return selectSong;
export default combineReducers({
  songs: songsReducer,
  selectedSong: selectedSongReducer
```

Ubah file src > index.js

Buat file baru src > components > SongList.js

```
import React from 'react';
import {connect} from "react-redux";
class SongList extends React.Component {
  renderList() {
     return this.props.songs.map((song) => {
       return (
          <div className="item" key={song.title}>
            <div className="right floated content">
               <button className="ui button primary">
                 Select
               </button>
            </div>
            <div className="content">{song.title}</div>
         </div>
     });
  render() {
    return (
       <div className="ui divided list">
         {this.renderList()}
       </div>
const mapStateToProps = (state) => {
  return {songs: state.songs};
export default connect(mapStateToProps)(SongList);
```

Ubah file src > App.js

```
import React from 'react';
import {selectSong} from "../actions";
import SongList from "./components/SongList";
class App extends React.Component {
  render() {
    return (
       <div className="ui container grid">
         <div className="ui row">
            <div className="column eight wide">
              <SongList/>
            </div>
         </div>
       <\!\! div>
export default App;
```

Ubah file src > components > SongList.js

```
import React from 'react';
import {connect} from "react-redux";
import {selectSong} from "../actions";
class SongList extends React.Component {
  renderList() {
    return this.props.songs.map((song) => {
       return (
         <div className="item" key={song.title}>
            <div className="right floated content">
              <button className="ui button primary"</pre>
                 onClick={()=>{this.props.selectSong(song)}>
                 Select
              </button>
            </div>
            <div className="content">{song.title}</div>
         </div>
const mapStateToProps = (state) => {
  return {songs: state.songs};
export default connect(mapStateToProps,{selectSong:selectSong})(SongList);
```

Buat file src > components > SongDetail.js

```
import React from 'react';
import {connect} from "react-redux";
const SongDetail = (props) => {
  if (!props.song) {
     return <div>Select a song</div>
  return (
     <div>
       {props.song.title} ({props.song.duration})
     </div>
const mapStateToPros = (state) => {
  return {song: state.selectedSong}
};
export default connect(mapStateToPros)(SongDetail);
```

Ubah file src > App.js

```
import React from 'react';
import {selectSong} from "../actions";
import SongList from "./SongList";
import SongDetail from "./SongDetail";
class App extends React.Component {
  render() {
     return (
       <div className="ui container grid">
         <div className="ui row">
            <div className="column eight wide">
              <SongList/>
            </div>
            <div className="column eight wide">
              <SongDetail/>
            </div>
         </div>
       </div>
export default App;
```