

## 7- Homework (Intro to React)

In this homework you need to finish the Hands-on task from the 7th lecture. Except that you need to convert `events.html` and `event.html` page into React pages with React components like we did for the Home page on the Hands-on. **Homework must be finished till 23.4.2021. (23:59h).**

Most of styling you have from previous lectures, if you need specific information for some of the breakpoint styles you can send message into **#general** channel in **Slack**. But also you can style it by yourself.

As you can see we have three pages inside our app and you'll need to find a way how you can implement **React Router** in order to have navigation inside your app (please take a look inside the presentation, basic routing is described there).

Final App should act like my App shown in the [screen recording](#). Please notice routes inside the browser URL when the page is changed (same routes in the app URL you need to have for your pages).

### Some other requirements

In order to collect all of the points for this homework try to implement few more things:

- Create **theme.scss** file inside **src/** folder and inside that file define breakpoints, colors, transitions and box shadows variables that will be included inside your components **.scss** files (inside that files replace all of the hardcoded colors, breakpoints, box shadows and transitions with those defined inside variables). On that way our code is more organized, modular and nicer. Possibly there will be some issues when you'll try to use variables from the `theme.scss` file inside

your components **.scss** files (look into error inside console, and find solution online). Content of the **theme.scss** file is shown below.

```
// Breakpoints
$mobileLarge: 'min-width: 576px';
$tablet: 'min-width: 768px';
$desktop: 'min-width: 1024px';
$desktopLarge: 'min-width: 1300px';

// Colors
$red: #d33e3e;
$yellow: #e4b43c;
$white: #ffffff;
$black: #000000;
$darkGrey: #333333;
$lightGrey: #d0d0d0;
$blackOverlay: rgba(0, 0, 0, 0.7);

// Shadows and Transitions
$boxShadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
$boxShadowHover: 0 14px 28px rgba(0,0,0,0.25), 0 10px 10px rgba(0,0,0,0.22);
$transitionCubic: all 0.3s cubic-bezier(.25,.8,.25,1);
$transitionEase: all 0.3s ease-out;
```

- You'll notice that after the implementation of the React Router, if you navigate to another page you'll not be scrolled to the top of the page. This is a bit annoying, please find a way so after each page change, the page is automatically scrolled to the top.
- Find a way how you can apply an active navigation link class on an active page with React Router and implement that as well.
- You must use the [React BEM naming convention](#).

Keep in mind that points are also given depending on the:

- Neatness and organization of the code
- Does the application can be run (or it has some errors which you didn't solve)

If you have some doubts, please ask everything inside **#general** channel so other people can see our discussion.

## Read documentation for next lecture

As you know there will not be any quizzes in future lessons, however you must read documentation for the next lecture:

- [Handling Events](#)
- [Conditional Rendering](#)
- [Lists and Keys](#)