8 - Homework (React events, conditionals & lists)

In this homework you need to finish the Hands-on task from the 8th lecture (convert all of the components styles into styled-components, and finish tasks from lecture if you didn’t finish them already).

Homework must be finished till 30.4.2021. (23:59h).

Final example of homework should look like this.

Events page

Events page must read all of the events from mocked events.js file and display those events using conditional rendering and `map()` function.

Be sure that you are using useState, useEffect and `setTimeout()` function that runs a timer for 1 second before events are stored inside events state variable.

Some other requirements

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

1. Hamburger menu with Home and Events links in it. You can style it how you want but you must use styled-components for that task. Be sure that your hamburger menu is visible only on breakpoints smaller than 1024px. When you click on the Link inside hamburger menu after you navigate to that specific page, the hamburger menu should disappear. *Hint: you’ll need to use the state variable and conditionally display the hamburger menu if the hamburger icon is clicked.*
2. Create SearchBar component:

a. Devices smaller than 576px: padding on top and bottom should be 0px and left and right 15px. Bottom margin must be 40px.

b. Devices larger or equal to 576px must use container max-width of 400px, container must be horizontally aligned, and padding should be 0 on all sides.

c. Input styling for devices smaller than 1024px should be: border 1px solid lightGrey color, border radius of 6px, line-height 40px, outline none, font-size 14px, and on focus state border color should be changed to yellow. For the devices larger or equal to 1024px font size must be 16px.

d. This component must accept a placeholder, disabled state and callback function that can accept current value of input and pass that value to the Top component.

e. Please read carefully the chapter about the events in the presentation because this is an example of Down-Top communication of components. *Hint: Inside the Top component (Events page) you'll need to define the handleSearch method that will be a callback function passed into the SearchBar component inside `onValueChange` prop. Callback function `handleSearch` must accept one argument (syntactic event that stores current/target value of SearchBar input).*

f. You can put console.log inside `handleSearch` callback and try to type something inside your input to see if value is logged inside your console. If it's logged then your Down-Top communication between components works well and you can proceed to the next step.

g. Inside your `handleSearch` callback function filter all events by input value, and show all events that include this value inside `event.title` (convert `event.title` and passed `value` to lowercase during comparison, on that way our search will be case insensitive).

3. Create a Loader component with the library that you can find here. On that page you can find a command to install the library and to use it inside your Application. Loader must be implemented in two places:

    a. Home page (Featured section), you must show the loader only if featured events are not loaded yet, if events are loaded then show events instead. You can achieve this easily by conditional rendering.

    b. Events page, you must show the loader only if events are not loaded yet, if events are loaded then show events instead. You can achieve this easily by conditional rendering. During the events loading, SearchBar input must bi in disabled state (user cannot type anything in it).

Read documentation for next lecture

- React Forms
- Formik