Assignment 2

Nilesh_20BECD76
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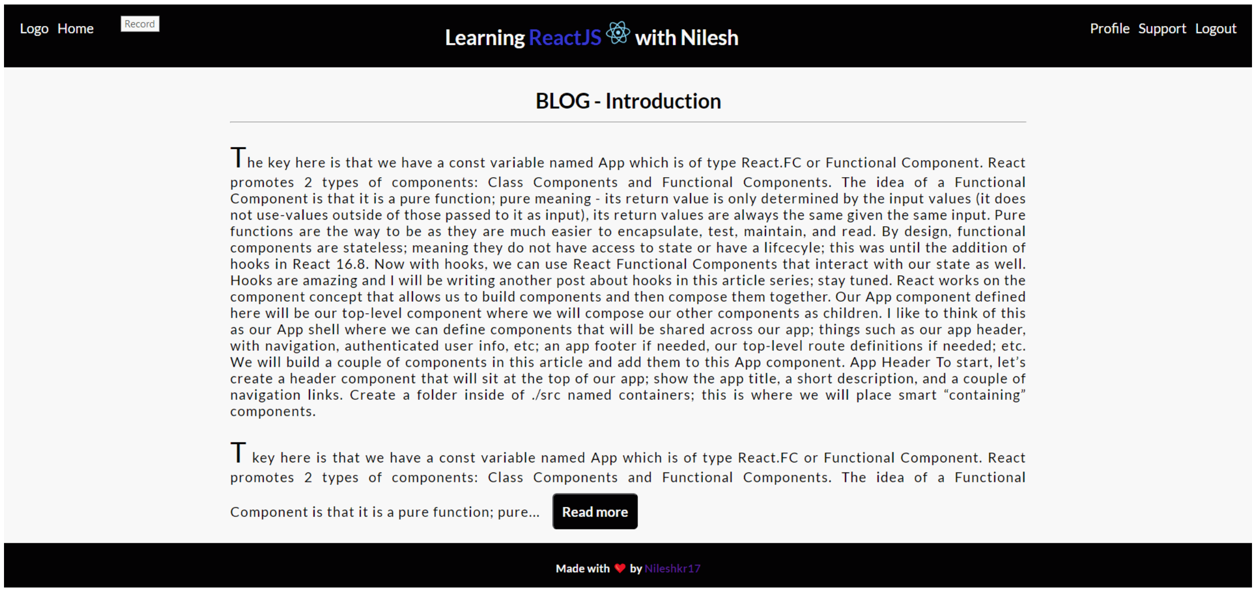
Link: https://github.com/nileshkr17/PrepsLab/tree/main/Day%2002

Output:



BLOG - Introduction

The key here is that we have a const variable named App which is of type React.FC or Functional Component. React promotes 2 types of components: Class Components and Functional Components. The idea of a Functional Component is that it is a pure function; pure meaning - its return value is only determined by the input values (it does not use-values outside of those passed to it as input), its return values are always the same given the same input. Pure functions are the way to be as they are much easier to encapsulate, test, maintain, and read. By design, functional components are stateless; meaning they do not have access to state or have a lifcecyle; this was until the addition of hooks in React 16.8. Now with hooks, we can use React Functional Components that interact with our state as well. Hooks are amazing and I will be writing another post about hooks in this article series; stay tuned. React works on the component concept that allows us to build components and then compose them together. Our App component defined here will be our top-level component where we will compose our other components as children. I like to think of this as our App shell where we can define components that will be shared across our app; things such as our app header, with navigation, authenticated user info, etc; an app footer if needed, our top-level route definitions if needed; etc. We will build a couple of components in this article and add them to this App component. App Header To start, let's create a header component that will sit at the top of our app; show the app title, a short description, and a couple of navigation links. Create a folder inside of ./src named containers; this is where we will place smart "containing" components.

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HTML CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <title>Article</title>
    <link rel="stylesheet" href="style/style.css" />
</head>

<body>
    <div class="sticky">
        <div class="left">
            <li>Logo</li>
            <li>Home</li>
        </div>
        <div class="right">
            <li>Profile</li>
            <li>Support</li>
            <li>Logout</li>
        </div>
        <h2>Learning <div class="react-js">ReactJS</div>
            <img
src="https://img.icons8.com/color/48/000000/react-native.png"
class="fa-spin" width="30px" alt="react-icon" />
             with Nilesh</h2>
    </div>
    <div class="article">
        <div class="header">BLOG - Introduction</div>
        <hr />
        <div class="content">
            <p> The key here is that we have a const variable named
App which is of type React.FC or Functional
                Component. React promotes 2 types of components: Class
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containers; this is where we will place smart “containing”
                components. <br>

            </p>
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                Component. React promotes 2 types of components: Class
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                a Functional Component is that it is a pure function;
pure<span id="dots">...</span>
<span id="more"> </span>
<button onclick="myFunction()" id="myBtn">Read more</button>
            </p>
        </div>
    </div>

    </div>

    <div class="footer">
        <h5>Made with ❤️ by <a
href="https://github.com/nileshkr17">Nileshkr17</a>  </h5>
    </div>
</body>
<script src="script/script.js"></script>
</html>
```

Javascript:

```
function myFunction() {
    const dots = document.getElementById("dots");
    const moreText = document.getElementById("more");
    const btnText = document.getElementById("myBtn");

    if (dots.style.display === "none") {
      dots.style.display = "inline";
      btnText.innerHTML = "Read more";
      moreText.style.display = "none";
    } else {
      dots.style.display = "none";
      btnText.innerHTML = "Read less";
      moreText.style.display = "inline";
    }
  }

  document.getElementById("clickable").addEventListener("click",
function(){
    document.getElementById("more").innerHTML = " meaning - its return
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outside of those passed to it as input), its return values are always
the same given the same input. Pure functions are the way to be as
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smart “containing”components. ";
});
```

CSS

```
@import
url('https://fonts.googleapis.com/css2?family=Lato:wght@100;300;400;70
0;900&family=Open+Sans:ital,wght@0,400;1,800&family=Orbitron:wght@400;
500;600;700;800;900&family=Roboto:wght@500&family=Rubik+Iso&family=Ubu
ntu&display=swap');

*{
    padding: 0;
    margin: 0;
    font-family: Lato, sans-serif;
    box-sizing: border-box;
    list-style: none;
    text-decoration: none;

}
.react-js{
    color: rgb(56, 56, 206);
    display: inline;
}
.content>p{
    color: #000;
}
.profile{
    position: relative;
}
.tet{
    position: absolute;
    top: 200px;
    margin: 0 30%;
    color: aliceblue;
    font-weight: 600;
    font-size: 4rem;
}

.sticky{

    position: fixed;
    top: 0;
    align-items: center;
    width: 100%;
    z-index: 1;
    background-color: black;
    text-align: center;
    padding: 20px;
    color: white;
}
h3{
    font-size: 2rem;
    font-weight: 600;
    color: aliceblue;
    margin: 0 30%;
    padding: 10px;
}
```

```
.content{
    position: relative;
    top: 0;
    width: 100%;

}
.footer{
    position: fixed;
    bottom: 0;
    width: 100%;
    background-color: black;
    color: white;
    padding: 20px;
    text-align: center;
}

button{
    background-color: black;
    color: white;
    padding: 10px;
    border-radius: 5px;
    cursor: pointer;
    font-weight: 600;
    font-size: 1rem;
    margin: 10px;
}
/* .submission{
    margin: 0 auto;
    width: 50%;
    height: 75vh;
    padding: 10px;
    background-color: whitesmoke;
    margin-top: 5rem;
} */
.article{
    margin: 0 auto;
    width: 65%;
    padding: 10px;
    background-color: whitesmoke;
    margin-top: 5rem;

}
.article>.header{
    text-align: center;
    font-size: 1.5rem;
    font-weight: 600;
    padding: 10px;
}

p{
    margin-top: 20px;
    color: black;

    text-align: justify;
    letter-spacing: 1px;

}
p::first-letter{
    font-size: 200%;
    color: #000;
}

h5{
    color: white;
    position:relative;
}
.left{
    float: left;
    display: flex;
    justify-content: space-around;
}
.right{
    float: right;
    display: flex;
    justify-content: space-around;
}

.left>li{
    margin-right: 10px;
}
.right>li{
    margin-left: 10px;
}
#more {
    display: none;
}
```