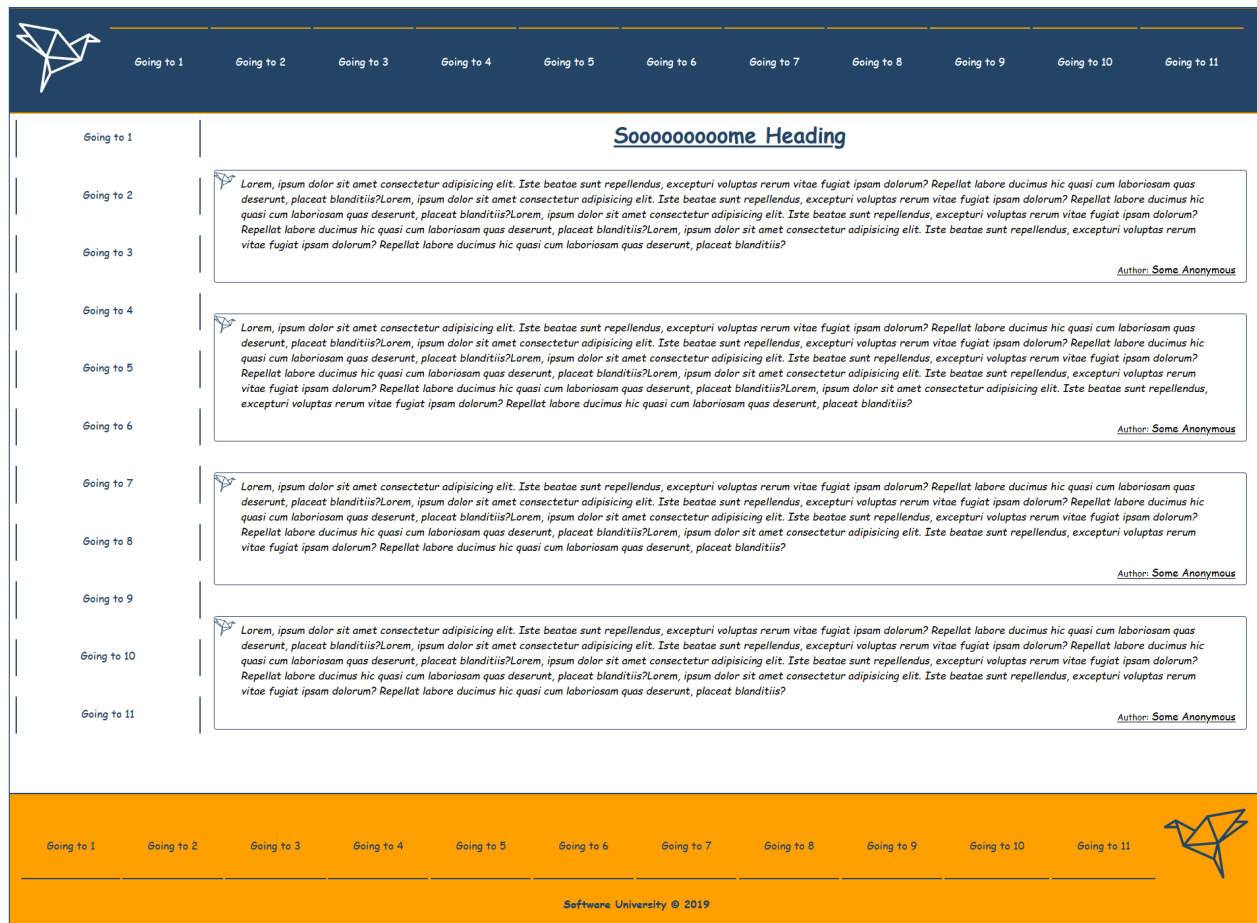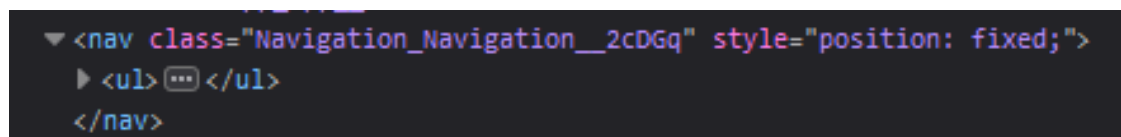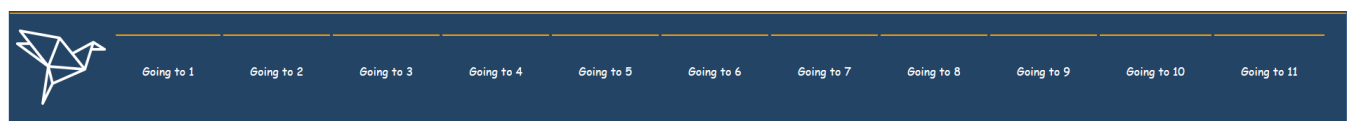# ReactJS – Origami Platform Workshop – Part 1

1. Task Requirements

Use the provided **styles** to **create** a page with the following structure:
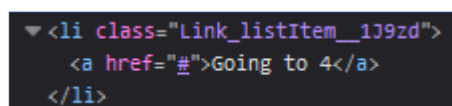

Navigation


```
▼<nav class="Navigation_Navigation__2cDGq" style="position: fixed;">
  ▶<ul>⋯</ul>
 </nav>
```

Link

Each **Link Component** inside the header navigation should have the class name called `listItem` and the following structure

```
▼<li class="Link_listItem__1J9zd">
   <a href="#">Going to 4</a>
 </li>
```

Aside

Aside Component should have "`Aside`" **class name**

```
▼<aside class="Aside_Aside__ZzRWI">
  ▼<ul>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
    ▶<li class="Link_listItem__1J9zd">⋯</li>
  </ul>
</aside>
```

Going to 1

Going to 2

Going to 3

Going to 4

Link

Each **Link Component** inside the aside navigation should have the class name called **`listItem`** and the following structure

```
▼<li class="Link_listItem__1J9zd">
    <a href="#">Going to 4</a>
  </li>
```

Main

Main Component should have "**Main**" class name

```
▼<div class="App_Container__Lsgyq">
  ▶<aside class="Aside_Aside__ZzRWI">⋯</aside>
  ▼<main class="Main_Main__2nrXH">
      <h1>Soooooooooome Heading</h1>
    ▶<div class="Posts_Posts__280Kl">⋯</div>
    </main>
  </div>
```

Posts

Posts component should have "`Posts`" **class name**

```
▼<div class="Posts_Posts__280Kl">
  ▶<div class="Post_Post__2fSMn">⋯</div>
  ▶<div class="Post_Post__2fSMn">⋯</div>
  ▶<div class="Post_Post__2fSMn">⋯</div>
</div>
```

Post

Each **Post Component** should have "**Post**" class name

Here is an example of one post component structure

```
▼<div class="Post_Post__2fSMn">
    <img src="data:image/png;base64,iVBORw0K_BlLm9yZ5vuPBoAAAAASUVORK5CYII=" alt="Origami"> event
  ▼<p class="Post_description__H7_2C">
      Lorem, ipsum dolor sit amet consectetur adipisicing elit. Iste beatae sunt repellendus, excepturi voluptas rerum vitae fugiat ipsam dolorum?
      Repellat labore ducimus hic quasi cum laboriosam quas deserunt, placeat blanditiis?Lorem, ipsum dolor sit amet consectetur adipisicing elit. Iste
      beatae sunt repellendus, excepturi voluptas rerum vitae fugiat ipsam dolorum? Repellat labore ducimus hic quasi cum laboriosam quas deserunt,
      placeat blanditiis?Lorem, ipsum dolor sit amet consectetur adipisicing elit. Iste beatae sunt repellendus, excepturi voluptas rerum vitae fugiat
      ipsam dolorum? Repellat labore ducimus hic quasi cum laboriosam quas deserunt, placeat blanditiis?Lorem, ipsum dolor sit amet consectetur
      adipisicing elit. Iste beatae sunt repellendus, excepturi voluptas rerum vitae fugiat ipsam dolorum? Repellat labore ducimus hic quasi cum
      laboriosam quas deserunt, placeat blanditiis?
    </p>
  ▼<div>
    ▼<span>
        <small>Author:</small>
        Some Anonymous
      </span>
    </div>
  </div>
```

Each **post component** is consisting of:

- **Image** which is provided with the resources (the origami logo)
- **Paragraph** with class name "**description**" which holds the current post description
- **Div wrapper** for **span** which holds the current **post author**

Try to separate the styles and the structure for (div wrapper) into another component called postAuthor or something like that.

Footer

Footer component should have "**Footer**" class name

Going to 1   Going to 2   Going to 3   Going to 4   Going to 5   Going to 6   Going to 7   Going to 8   Going to 9   Going to 10   Going to 11

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```
▼ <footer class="Footer_Footer__3t8uW">
  ▼ <ul>
    ▼ <li class="Link_listItem__1J9zd">
        <a href="#">Going to 1</a>
      </li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
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    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    ▶ <li class="Link_listItem__1J9zd">⋯</li>
    </ul>
    <p>Software University © 2019</p>
  </footer>
```

Link

Each **Link Component** inside the footer navigation should have the class name called `listItem` and the following structure

```
▼ <li class="Link_listItem__1J9zd">
    <a href="#">Going to 4</a>
  </li>
```

2. Database

Use the provided **REST API** build with **Express.js** and **MongoDB**

You can download **MongoDB** from here and use a GUI with it like Robo3T

Each **Post** should have a **post description (string)** and a **post author (objectId)**.

Use **Postman** to create some entities or use **"mongoimport"** to import the data that is provided to you.

3. Initialize the App

Use the **"npx create-react-app origami-workshop"** command to create a new React App.

If you face any trouble, check the following link:
https://github.com/facebook/create-react-app#create-react-app--

Server

Use the provided server to fetch all posts and list them into the front-end. The server will listen on port **9999** by default. In order to fetch the data that you fed in the database you will have to make a **get request** on
`'localhost:9999/api/origami/'`

4. Implementation

Follow us:

Make sure you assign every **required attribute** to each Component, so the result is the same as the example above. If at some point something is not right, be free to check the structure picture for each element or directly to the provided CSS. Also be free to extends the workshop as much as you want!

Good Luck