REACT + BOOTSTRAP

Dr. Jose Annunziato

Install and import boopstrap

- Install bootstrap from the command line

```
$ npm install bootstrap --save
```

- Import bootstrap from index.js

```
import "bootstrap/dist/css/bootstrap.css";
```

Wrap content w/bootstrap .container

```jsx
export default class WhiteBoard
extends React.Component {
 render() {
   return (
     <div className="container-fluid">
       <h1>WhiteBoard</h1>
     </div>
)}}
```

BOOTSTRAP CARDS & DECKS

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Create a card to provide small summaries

```jsx
const CourseCard = () => {
 return (
  <div className="card" styles={{width: '18rem'}}>
  <img className="card-img-top"
      src="https://picsum.photos/300/200"/>
  <div className="card-body">
   <h5 className="card-title">Card title</h5>
   <p className="card-text">Card text.</p>
   <a href="#" className="btn btn-primary">More...</a>
  </div></div>);
```

Group many cards into a card deck

```jsx
import CourseCard from './CourseCard';
<div className="container-fluid">
 <h1>Whiteboard</h1>
 <div className="card-deck">
  <CourseCard/>
  <CourseCard/>
 </div>
</div>
```

Course Manager

Card title

Card text

Go somewhere

Card title

Card text

Go somewhere

BOOTSTRAP LISTS

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Implement ModuleListItem component

```
import React from 'react';
import '../.../bootstrap/.../bootstrap.css';
const ModuleListItem = () => {
  return (
   <li className="list-group-item">
    Module 1</li>
  );
}
```

Implement ModuleList container component

```
import ModuleListItem from './ModuleListItem';
const ModuleList = () => {
return (
  <ul className="list-group">
    <ModuleListItem/><ModuleListItem/>...
  </ul>
);}
```

Install font awesome

- Fontawesome provides many useful open source icons. Install using npm

```
$ npm install @fortawesome/fontawesome-free --save
```

- Import fontawesome in component wherever you need an icon

```
import '@fortawesome/fontawesome-free/css/all.min.css'
```

Add trash and pencil icons to ModuleListItem

```
<li className="list-group-item">
 Module Title
 <i className="fa fa-trash"></i>
 <i className="fa fa-pencil"></i>
</li>
```

Course Manager

Module Title🗑✏

Module Title🗑✏

Module Title🗑✏

Module Title🗑✏

Float the icons to the right

```
<li className="list-group-item">
 Module Title
 <span className="float-end">
  <i className="fa fa-trash"></i>
  <i className="fa fa-pencil"></i>
 </span>
</li>
```

Course Manager

Module Title	🗑️✏️
Module Title	🗑️✏️
Module Title	🗑️✏️
Module Title	🗑️✏️

BOOTSTRAP

TABS

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Bootstrap Tabs

- Use tabs to navigate between sections

```
const LessonTabs = () => {
  return(
  <ul class="nav nav-tabs">
   <li class="nav-item"><a class="nav-link active"
        href="#">Active Tab</a></li>
   <li class="nav-item"><a class="nav-link"
        href="#">Another Tab</a></li>
  </ul>
  );}
```

Course Manager

Module Title	🗑 ✏
Module Title	🗑 ✏
Module Title	🗑 ✏
Module Title	🗑 ✏

Bootstrap Pills

- Use pills to navigate between sections

```
const TopicPills = () => {
 return(
  <ul class="nav nav-pills">
   <li class="nav-item">
    <a class="nav-link active"
       href="#">Topic 1</a></li>
   <li class="nav-item"><a class="nav-link"
       href="#">Topic 2</a></li></ul>);
}
```

Embed pills in LessonTabs

- Could embed in pills so we only show if lessons load

```
import TopicPills from './TopicPills';
const LessonTabs = () => {
  return(
   <div> ...
     <TopicPills/>
   </div>);
}
```

BOOTSTRAP GRIDS

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Split View with Bootstrap Grids

- Implement CourseEditor.js

```
<div className="row">
 <div className="col-4">
  <h2>Left 1/3</h2>
 </div>
 <div className="col-8">
  <h2>Right 2/3</h2>
 </div>
</div>
```

Import and display CourseEditor in CourseManager

```jsx
import CourseEditor from './CourseEditor';
return (
 <div className="container-fluid">
  <h1>Course Manager</h1>
  <CourseEditor/>
```

Split View with Bootstrap Grids

- In CourseEditor, render Modules and Lessons

```
<div className="row">
 <div className="col-4">
  <h2>Modules</h2><ModuleList/>
 </div>
 <div className="col-8">
  <h2>Lessons</h2><LessonTabs/>
 </div>
</div>
```

Course Manager

Modules

Module Title	🗑 ✏
Module Title	🗑 ✏
Module Title	🗑 ✏
Module Title	🗑 ✏

Lessons

Active Tab   Another Tab   Link   Disabled

Topic 1   Topic 2   Topic 3