Module-1 Section 1.6

Demo of Web UI using React framework
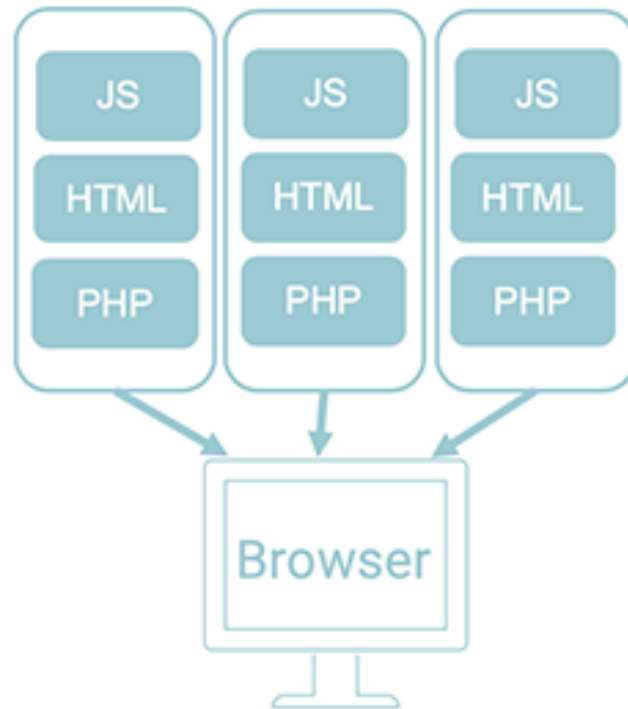
Contents

- Web UI
  - HTML   Structure
  - CSS   Presentation
  - Javascript   Behavior
  - DOM (Document Object Model)

- Component based development
  - React   Components
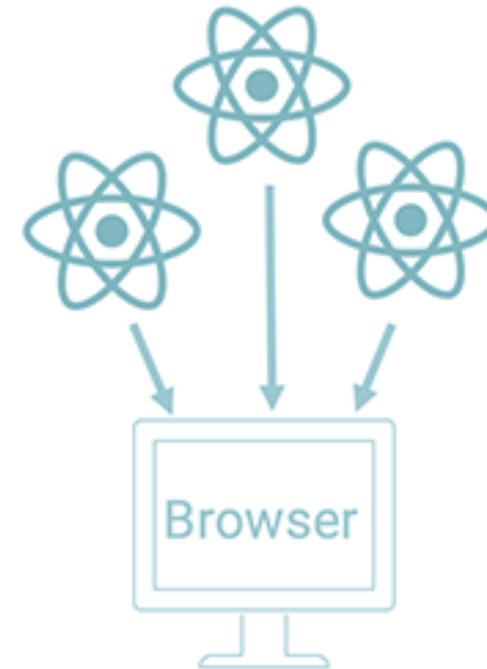 - VDOM (Virtual Document Object Model)

Traditional Front End Vs Components

Untitled ✏

Captain Anonymous

☁ Save ⚙ Settings ☐ Change View Sign Up Log In

⚙ **HTML** ⌄

```
1
2   <p id="p1" >This is the simple example of
    HTML,CSS and JS</p>
3   <button class="b1" onclick="myFunction1()"
    type="button"> Click Me.. </button>
4   <button class="b2" onclick="myFunction2()"
    type="button"> Continue.. </button>
5
```

⚙ **CSS** ⌄

```
1   .p1
2   {
3     color=yellow;
4   }
5   .b1
6   {
7
8     background-color: green;
9     border: none;
10    color: white;
11    padding: 15px 32px;
12    text-align: center;
13    text-decoration: none;
14    display: inline-block;
15    font-size: 16px;
16  }
17  .b2
18  {
```
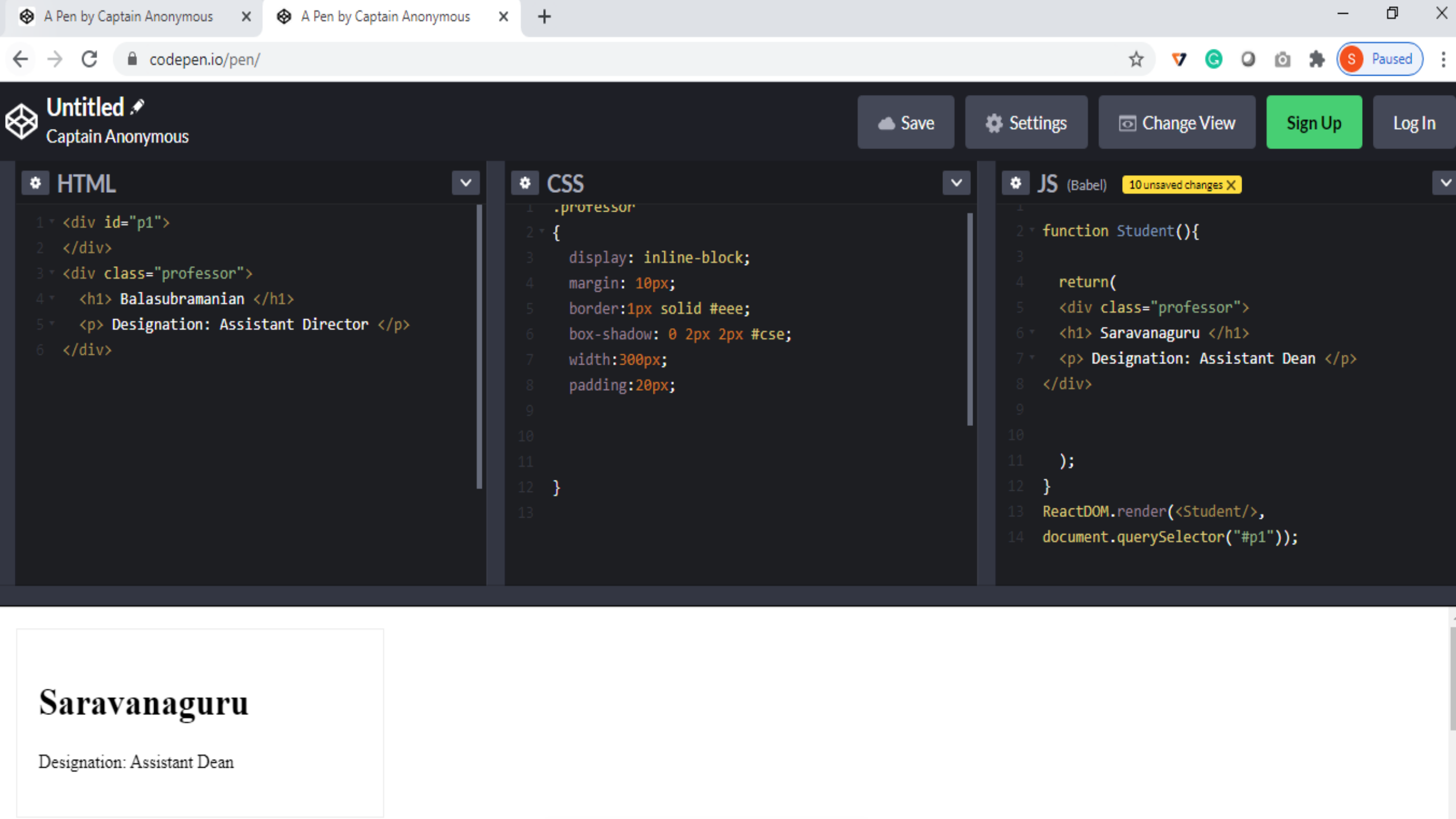
⚙ **JS** 100+ unsaved changes ✕ ⌄

```
1   function myFunction1() {
2     document.getElementById("p1").style.color =
    "green";
3   }
4   function myFunction2() {
5     document.getElementById("p1").style.color =
    "blue";
6   }
```

This is the simple example of HTML,CSS and JS

Click Me..   Continue..

Untitled ✏️
Captain Anonymous

☁ Save | ⚙ Settings | ▢ Change View | **Sign Up** | Log In

⚙ **HTML** ⌄

```
1  <div id="p1">
2  </div>
3  <div class="professor">
4    <h1> Balasubramanian </h1>
5    <p> Designation: Assistant Director </p>
6  </div>
```

⚙ **CSS** ⌄

```
1  .professor
2  {
3    display: inline-block;
4    margin: 10px;
5    border:1px solid #eee;
6    box-shadow: 0 2px 2px #cse;
7    width:300px;
8    padding:20px;
9
10
11
12  }
13
```

⚙ **JS** (Babel) 10 unsaved changes ✕

```
1
2  function Student(){
3
4    return(
5    <div class="professor">
6    <h1> Saravanaguru </h1>
7    <p> Designation: Assistant Dean </p>
8  </div>
9
10
11    );
12  }
13  ReactDOM.render(<Student/>,
14  document.querySelector("#p1"));
```

Saravanaguru

Designation: Assistant Dean