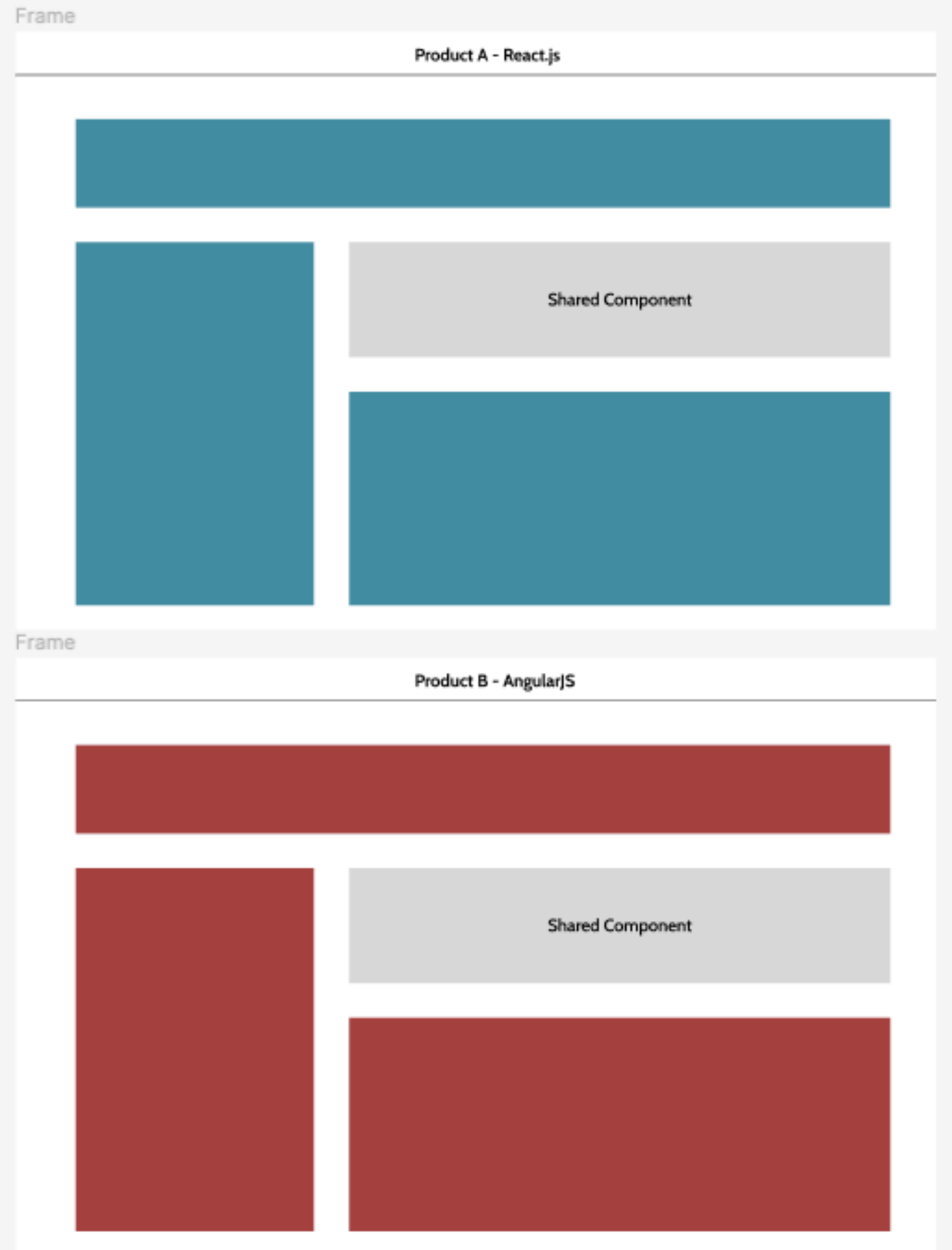


Component Reusability Across Different Frameworks

A front end solution proposal

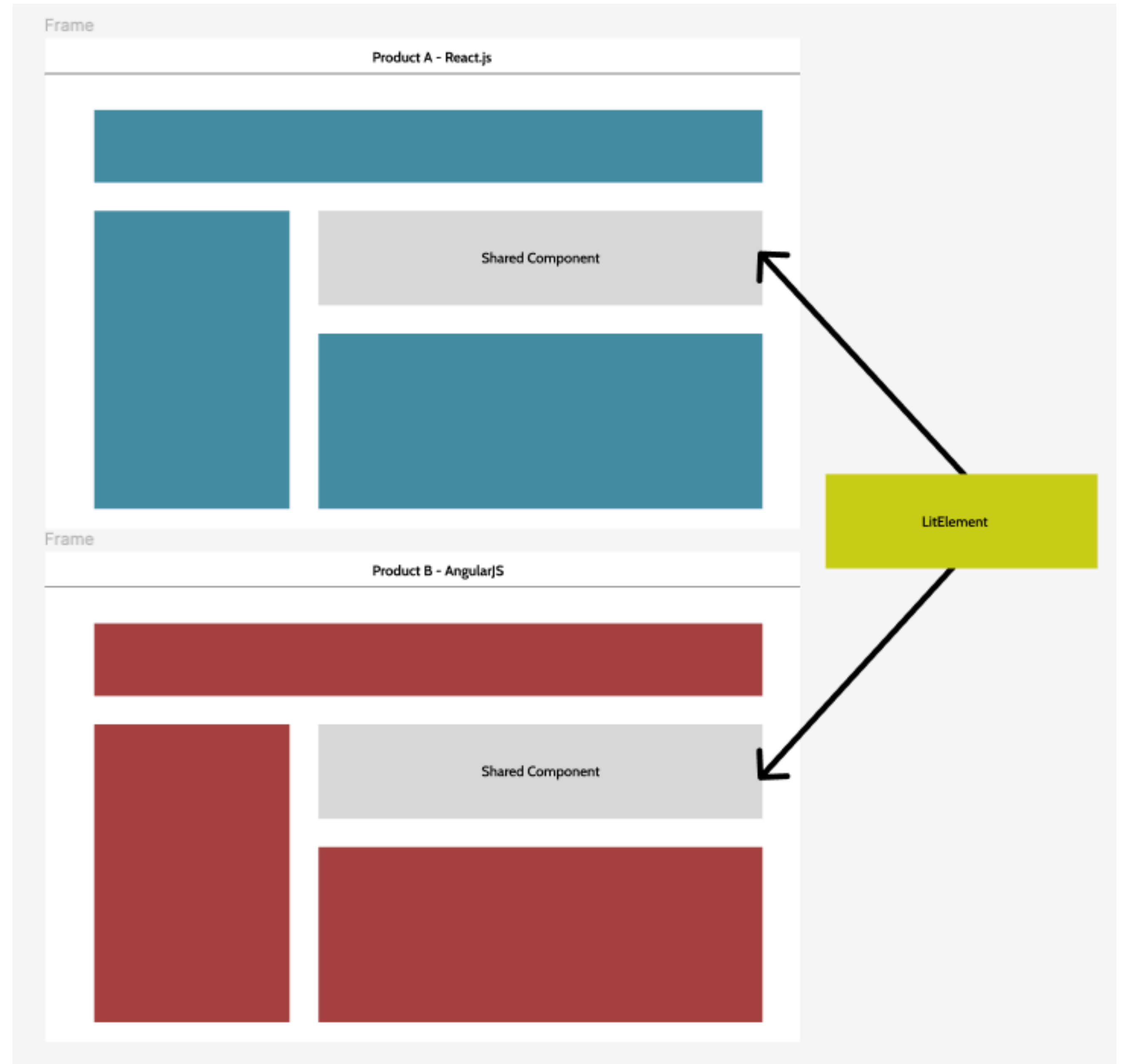
The Problem

- Projects with different codebase
- Difficulty to share functionalities between projects
- Unavailability to update legacy projects



A Solution

- **Solutions:** SolidJS, Material Web, litElement.
- **Drawbacks**
 - Support only modern browsers
 - Limited coverage for UI reach component libraries
 - Lowest possible development speed because we operate on the lowest API level



Implementation

This is an example of how to create a web component with litElement.

```
1  import { LitElement, html, css } from 'lit-element';
2
3  export class CardElement extends LitElement {
4    static get properties() {
5      return {
6        text: { type: String },
7        disabled: { type: Boolean },
8      };
9    }
10
11    static get styles() {
12      return css`
13        .card {
14          height: 180px;
15          width: 180px;
16          margin: 5px;
17        }
18      `;
19    }
20
21    render() {
22      return html`
23        <div class="card">
24          <div>
25            <h2>${this.text}</h2>
26          </div>
27        </div>
28      `;
29    }
30  }
31
32  customElements.define('card-element', CardElement);
33
```