

# Assignment: Frontend

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## 1 Usecase

You decided to go with a technology-agnostic approach in your company, so your co-workers should select out of angular, react or vue.js for new web-applications. This approach was chosen as those frameworks have different strength and weaknesses for a given context. On the other hand, all these applications should follow a corporate identity and common style.

Therefore, a component-library should be implemented that can be used by the variety of given frameworks. The decision was made to provide these reusable components as web components. It is your task to create a prototype to ensure technical feasibility and gain knowledge.

## 2 Tasks

Fulfill the following goals for the given task at hand:

- Create a simple auto-complete text-input that is provided as a web-component.
- A simple prototype in two SPAs (React, Angular, VueJs or your preferred SPA-Framework) should be created which renders the implemented web-component.
- The web-component should get the list of possible suggestions from outside (from teh SPA Framework) and should emit an event with its current value if it loses focus.