**[To be integrated into Architecture Documentation.docx – Chapter 9 Design Decisions]**

# Frontend Technology

The knowledge base has to be usable for all members of the customer’s project teams. Sharing and searching information is meant to be as fast and convenient as possible. Therefore, the frontend– the part of the knowledge base users can actually see and interact with – has to guarantee high standards towards usability.

## Influences

The decision is influenced by the architecture drivers AD-01-Search, AD-02-Usability and   
AD-03-Generic.

The decision influences the components 4.1.1.1-Frontend and 4.1.2.1-GUI.

## Constraints

The frontend technology chosen has to be runnable on the following browsers:

* Mozilla Firefox Version 46.01
* Google Chrome Version 51.0.2704.63

Additionally, responsiveness and compliance to mobile device screen sizes would be favorable.

## Decision

As core technology for the frontend AngularJS was chosen. AngularJS is a popular framework for creating dynamic web applications. It is the frontend technology best understood amongst Kanbanana team members. Further it is maintained by a reliable source – Google (Alphabet) – and has a better performance than its competitors EmberJS and BackboneJS.