Research IDE

This document contains the results of the IDE (Integrated Development Environment) research.
While researching, the results of other researches (that were performed within the same sprint) were taken into account.
The result of the framework research was the most important one for this research. Since we're using TypeScript, it would be nice to have this as integration (autocomplete, compile, run, debug) into the IDE. Also the test runner (Karma) should be easily runnable from the IDE without much effort.

IDE Suggestions

Atom – 'A hackable text editor for the 21st Century'

https://atom.io/
Atom is a text editor that's modern, approachable, yet hackable to the core—a tool you can customize to do anything but also use productively without ever touching a config file.
+ Highly customizable
+ Clear interface
- No debugger or test runner

WebStorm – 'The smartest JavaScript IDE'

https://www.jetbrains.com/webstorm
Lightweight yet powerful IDE, perfectly equipped for complex client-side development and server-side development with Node.js
+ TypeScript integration
+ Test runner Karma integration
+ Actually integrates with virtually everything
- High PC resource utilization

Sublime Text

http://www.sublimetext.com/
Sublime Text is a sophisticated text editor for code, markup and prose. You'll love the slick user interface, extraordinary features and amazing performance.
+ Works very smoothly
+ Multi-position editing
- No debugger or test runner

IDE Recommendation

WebStorm, as our project will use many frameworks (as specified in the other research), and an integration of all these frameworks into the IDE will significantly ease the development process. Even though it has a high resource utilization, this will only cause a small slowdown compared to the speed-up by all the tools that WebStorm has to offer.