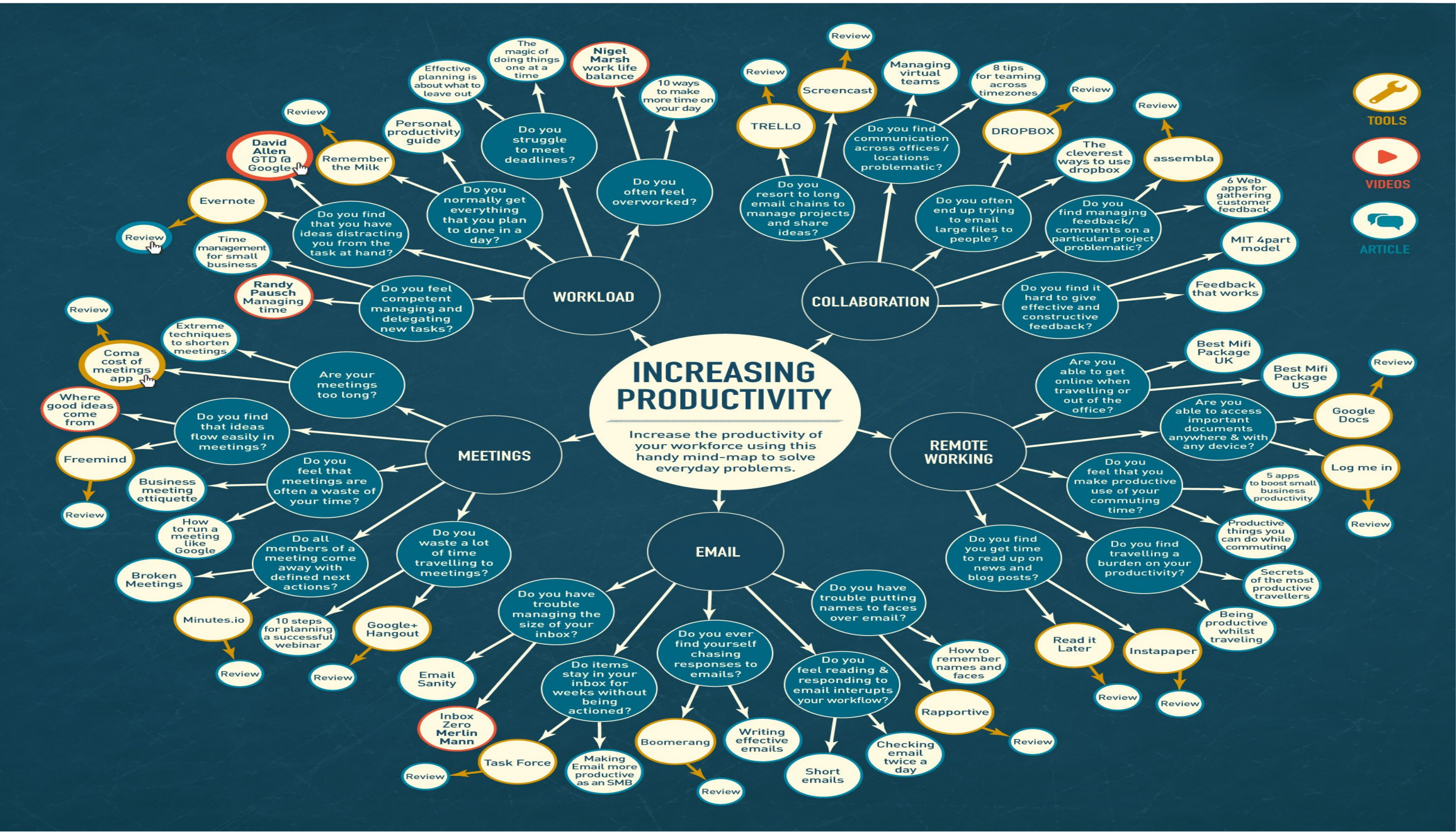


SUPSI

Mindmap in JavaScript

Students	Supervisor	Correlator	Client
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Degree Course	N° Project	Year	Date
Computer Engineering	C10007	2018/2019	03/05/2019



STUDENTSUPSI

<p>Abstract</p> <p>Mindmap, in Italian "Mind Map", is a diagram used to visually organize information. It is organized in a hierarchical manner and, with the use of connectors, the relationships between the individual components are displayed, so as to facilitate the management of large projects for the user. Information is often keywords, concepts, images or sketches that allow the user to associate words with images.</p> <p>The purpose of this semester project is to develop a JavaScript program (which can therefore be used on the web by all commercial browsers) to draw mental maps using functions we have made available through the use of the "mxGraph.js" and "FileSaver.js".</p> <p>This document provides a detailed and architectural explanation to make the user understand how our application was designed and developed. The required result was fully achieved with the addition of additional features that made it possible to make the final product responsive and functional, so as to allow the user a better experience within the mindmap design.</p>	<p>Targets</p> <p>The first part of the project consists of an analysis of the functioning of the mindmaps and their possible use.</p> <p>In the second part it is required to analyze the tools on the market that allow you to create and manage a mindmap, analyzing their advantages and disadvantages with respect to our tool that we have created.</p> <p>The final aim of this semester work is to develop a tool for creating and manipulating a mindmap using a JavaScript programming language (therefore usable via the web).</p>	<p>Conclusion</p> <p>The objectives that have been assigned to us have been achieved in their entirety and the tool that we have been asked to develop works properly.</p> <p>The real difficulty of this project we found was to make our application better and more functional in the development of projects that allow the construction of mindmaps, as many software allow the construction of graphs but are not specific for this use.</p> <p>The use of our software allows you to customize your project making it unique and fast to develop, to save for a future modification and possibly to integrate with similar applications.</p> <p>In conclusion we can say that we are definitely satisfied with what we have designed and developed. We can also say that we have expanded our knowledge of JavaScript with the acquisition of new concepts related to this programming language, trusting that what is realized can be useful for the creation of mindmaps for other people.</p>
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