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# Hypermedia in Support of the Software Engineering Process

by

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Submitted in the fulfillment of the requirements for the degree  
Magister Artium  
Department of Information Science  
in the Faculty of Humanities  
University of Pretoria  
June 2001

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## Abstract

In this research report the problems regarding the coordination, integration and communication of information surrounding the software engineering process is discussed and hypermedia technology is proposed as a possible solution. The following research in this regard was done. Firstly, hypermedia technology was researched and defined in terms of its general characteristics and also in terms of the functionality it provides regarding information coordination, integration and communication. Secondly, software engineering was researched and defined in terms of its general characteristics. The coordination, integration and communication problems in regard to software engineering were identified. What is needed to solve these problems was identified. Thirdly, the problems regarding information processing, communication and the transfer of information through conventional documentation were researched. The coordination, integration and communication problems of software engineering information were identified. What is needed to solve these problems was identified. Fourthly, development methodologies, techniques, tools and applications in software engineering were researched. What is needed to integrate these aspects effectively with the rest of the software engineering aspects was identified. Lastly, in light of the research being done, hypermedia technology was related to the problem areas mentioned above in terms of what was identified as needed to solve these problems. The conclusion to this research study is that hypermedia technology is a feasible solution to the coordination, integration and communication of information in the software engineering process.