

**DEVELOPING A WEB-COMMUNITY SYSTEM  
FOR SWISS GERMAN UNIVERSITY WITH SEMANTIC WEB  
AS THE INFORMATION RETRIEVAL METHOD**

By

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### STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, not material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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## ABSTRACT

### DEVELOPING A WEB-COMMUNITY SYSTEM FOR SWISS GERMAN UNIVERSITY WITH SEMANTIC WEB AS THE INFORMATION RETRIEVAL METHOD

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The primary purpose of this thesis is to build a web-community system for Swiss German University. The system is hoped to be able to strengthen the sense of unity among SGU community. Besides letting members interact with one another, the system will also be equipped with the ability to recommend members with similar interests to one another. Resource Description Framework (RDF) will be used in some parts of the information retrieval processes in order to ease the process and to provide a foundation to apply the semantic web concept. The development of the system will follow the spiral model, which incrementally increases the state of the system at each iteration. Several UML models are also utilized to assist the development of the system, to act as a framework that should be followed. The final result is an online community for SGU, which provides a convenient platform for the members to virtually interact with one another.

## **DEDICATION**

I dedicate this thesis to everyone who has in any way helped me during the creation of this thesis.

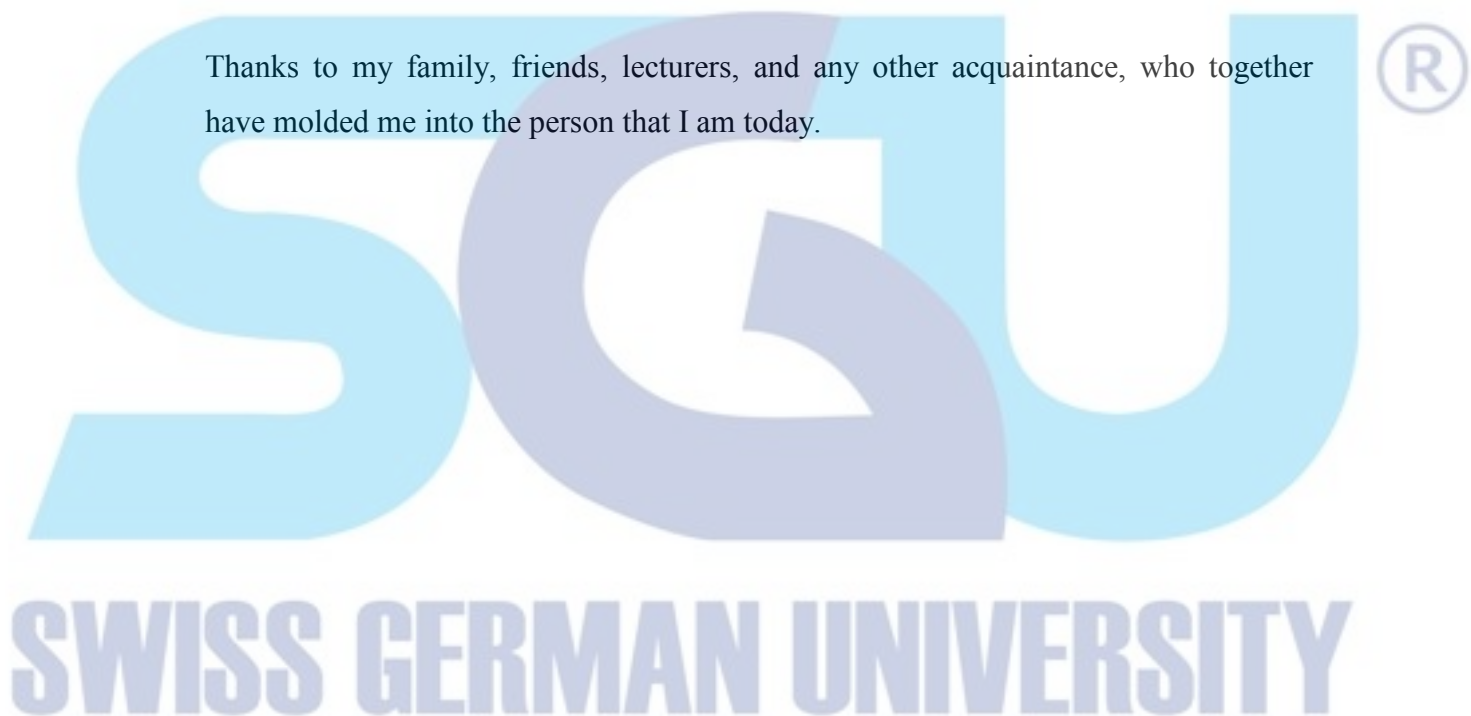


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