The Subject-Matter for the Kind of Software Systems of Your Interest

Master Thesis Proposal

Presented in partial fulfillment to obtain the Title of
Magister in Informatics and Telecommunications

by

Your Name

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Abstract

Summary of your Thesis Proposal. In English and then in Spanish.

Chapter 1

Context and Motivation

Chapter 2

Problem Definition

As mentioned in Chapter 1, the separation of concerns is crucial to facilitate the adaptation as a software system independently the adaptation mechanism. To understand the relevance of this proposal it is important to define the main concepts involved in this project: Autonomic computing, Self-Adaptive Systems, Component-Based Software, Software Architecture, Reference Models and Reference Architectures [dLGM+12].

2.1 Problem Statement

State your addressed problem as clearly and concisely as possible.

Never mix the problem with the solution.

2.2 Challenges (or Hypotheses)

Chapter 3

Objectives

3.1 General

3.2 Specific

Chapter 4

Theoretical Background – Overview

Chapter 5

Preliminary State of the Art

Chapter 6

Methodology

Explain the steps required to achieve the stated objectives. Support them as required with appropriate methods [Cre08]. Refine the specific objectives and, more importantly, explain how are you going to validate your proposed solution.

Chapter 7

Expected Results

Chapter 8

Tentative Project Schedule

Bibliography

[Cre08] J. W. Creswell. *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. Sage Publications, 3rd edition, 2008.

[dLGM+12] R. de Lemos, H. Giese, H. A. Müller, M. Shaw, J. Andersson, L. Baresi, B. Becker, N. Bencomo, Y. Brun, B. Cukic, R. Desmarais, S. Dustdar, G. Engels, K. Geihs, K. M. Goeschka, A. Gorla, V. Grassi, P. Inverardi, G. Karsai, J. Kramer, M. Litoiu, A. Lopes, J. Magee, S. Malek, S. Mankovskii, R. Mirandola, J. Mylopoulos, O. Nierstrasz, M. Pezzè, C. Prehofer, W. Schäfer, R. Schlichting, B. Schmerl, D. B. Smith, J. P. Sousa, G. Tamura, L. Tahvildari, N. M. Villegas, T. Vogel, D. Weyns, K. Wong, and J. Wuttke. Software Engineering for Self-Adaptive Systems: A Second Research Roadmap. In R. de Lemos, H. Giese, H. Müller, and M. Shaw, editors, *Software Engineering for Self-Adaptive Systems 2*, volume 7475 of *LNCS*. Springer, 2012.