SSC5944 – Software Architecture - First semestre, 2016
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Final Project – Projects 1 and 2
Delivery date: 2nd May, 2016.

Considering the software project that you have selected, develop the architectural analysis and the architectural synthesis of such project.

For the architectural analysis:

(i) Provide a brief description of the software system, its purpose, and the main functionalities;

(ii) Describe the set of functional requirements; and

(iii) Describe the set of non-functional requirements.

Use scenarios mainly in the description of the non-functional requirements. Moreover, select and justify the inclusion of at least three quality attributes (extracted from the ISO/IEC 25010) to be addressed in the project

For the architectural synthesis:

(i) Select at least three architectural views, describe the purpose of each view and justify its selection;

(ii) Select an ADL and modeling techniques as well, justify their selection; and

(iii) Provide at least one architectural model for each architectural view.

Describe briefly the tool adopted to conduct the architectural synthesis and justify its selection.

Discuss limitations, difficulties, learned lessons, positive and negative points from the conducted project. Furthermore, finalize your project with a conclusion, when you must bring your recommendations to adequately conduct the architectural analysis and synthesis.

Organize the project in a format of a monograph, separated in sections. Provide also a summary, list of references and any other additional information that you think is important for a complete understanding of the project.

Delivery format: Submission of the monograph using Stoa (in pdf format), together with the architectural models developed (in the format of the modeling tool).