

# Analysis and Design of Large Scale Software II (SENG 401)

## Project Part 4 Specification: Code View

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### Overview

Part 4 of the project entails doing the code view of the project as specified by the concept mapping application requirements, based on the previous assignment parts 1, 2 and 3 where you specified the conceptual and module views. You will have to do all the parts of the execution view:

- Global Analysis (output: new and modified entries in the: factor table, and new and modified issue cards.)
- Central Design Tasks:
  - Develop relationship diagrams for each of the major deployment [runtime] components of the system, including the relevant Source, Binary, and Deployment components
  - Global evaluation
- Final Design Task
  - Build Procedure (output: a makefile [or makefile-like] syntax for each of the deployment components)
  - Configuration Management (output: description of how the system is configured and how you are to handle multiple versions, etc)
- Note that although the MS Word template includes separate sections with tables for source, binary, and deployment components, you may if you want, omit these sections in favor of just doing the relationship diagrams. You must, however, do the relationship diagrams in either case.

## Size and Scope

\_\_\_\_\_ The complete document should add no less than 8 pages to the existing document (from assignments 1, 2, and 3), single spaced, 10 point font, including diagrams, charts, tables, and references. You should include a **minimum (excluding** the ones given in class) of

- 2 new (deployment) relationships diagrams
- A build procedure for at least 2 non-trivial deployment components.
- A configuration management plan

## Hints

**Assignment** An MS Word template for the assignment is provided. I highly recommend

**Template** you use this template. Note that this template incorporates *styles*, and you would be well advised to make use of them.

\_\_\_\_\_ However, if you don't have MS Word, you can also reference the PDF version.

You are encouraged to use the sections as specified in the template; however that does not preclude you from including additional sections as appropriate.

**Cross** Since you are using the concept mapping application requirements and the **References** conceptual & module views from your previous assignments as the basis of your execution view, each of your issues and design points should be fulfilling one or more of the requirements or building upon one or more of the design points in the previous views. Almost every design element should refer to one or more requirements, issues, or other parts of the document by name (and would be hyperlinked if this was an electronic document).

**Citations** You must properly cite of any material you get from other sources. The assignment templates in MS WORD and PDF give an example of a citation to the course text book, but you must also site other sources including "personal communication" with your colleagues.

**Ease of** The best way to do this assignment is to extend assignments 1-3 that you **reading** have already done. However, to ease the job of marking it (and therefore put the marker in a good mood), please delimit the text and diagrams you have already submitted in the previous assignment by marking it with bar down at the right hand side of the page.