This document contains Required Reports Formats for assignments and final project report. It is essential that you organize your project descriptions in required format.

CS3215: Project Report Format for Assignment #1

Cover Page:

CS3215, date

Project team: team#   Consultation Hour and Venue:

Team members:

    Group-PKB:

       name   matric number   e-mail

    Group-PQL:

       name   matric number   e-mail

Answer questions in the format described in assignment 1.

--- The end of assignment 1 ---

CS3215: Project Report Format for Assignment #2

Write you report for assignment 2 in the format described below.

Cover Page:

CS3215, date

Project team: team#   Consultation Hour and Venue:

Team members:

    Group-PKB:

      name   matric number   e-mail

    Group-PQL:

      name   matric number   e-mail

1   Associations among design abstractions

Describe associations among design abstractions, and explain what they mean and why it is useful to know them.

2   Abstract PKB API

2.1   Documentation standards for abstract PKB API

2.2   Abstract PKB API documentation

1. VarTable API
2. AST API
3. Modifies API
4. Uses API

2.3   Evaluation

3   Pseudocode for parser

4   Incremental development strategy

<div align="center">

--- The end of assignment 2 ---

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CS3215: Project Report Format for Assignment #3 and #4

Write you report for assignments 3 and 4 in the format described below.

Cover page:

CS3215, date

Project team: team#   Consultation Hour and Venue:

Team members:

    Group-PKB:

        name   matric number   e-mail

    Group-PQL:

        name   matric number   e-mail

1   Project plans

2   Summary of SPA done in this iteration

1. Describe briefly and clearly the scope of work actually done in this iteration in respect to what was requested in assignment description. Address work done by both groups, Group-PKB and Group-PQL.

2. List names of program design abstractions (ADTs) in the PKB implemented in this iteration.

3. Indicate program design abstractions are stored in PKB and which ones are computed on demand during query evaluation. Computing program design abstraction (e.g., relationship) "on demand" means that you perform some processing (e.g., traverse AST or CFG) to compute that relationship. Recall that for scalability of SPA, relationships Next*, Affects and Affects* must be computed "on demand".

3   Abstract PKB API

3.1   Documentation standards for abstract PKB API

3.2   Abstract PKB API documentation

3.3   Evaluation

4   UML diagrams

5   Discuss important detailed design decisions

6   Coding standards and experiences

7   Query processing

7.1   Validating program queries

7.2   Design and implementation of query evaluator

8   Testing

8.1   Test plan for this iteration

8.2   Examples of test cases of different categories

As requested in the relevant assignment question.

9   Discussion

--- The end of assignment 3/4 ---

CS3215: Final Report Format

> ***Attention***: **The maximum size of the report is 100 pages, including Appendices. Avoid repeating material contained in the handbook; instead, such material can be referenced.**

Describe the whole project (including both subsystems of SPA) in a single, cohesive final project report. Organize your final project report into sections according to format provided below.

Cover Page:

CS3215, date

Project team: team#

Team members:

    Group-PKB:

name	matric number	e-mail

    Group-PQL:

name	matric number	e-mail

0   Project story

In free format, describe your project story, experience. This section is up to you and you may leave it empty.

1   Project plans

Describe how you organized project work, the actual schedule, etc. Organize your description into the following sub-sections:

1.1   *The actual schedule for the project, milestones*

Discuss problems encountered that affected project schedule.

1.2   *Any comments on division of work and project discussion meetings*

2   Summary of main achievements

Do not exceed ONE page.

1. Did you implement all the required functions?

    a) describe specific features that you did not implement (if any)

    b) describe extra features that you implemented (if any)

2. Mention any other issues that you think are relevant – unexpected problems you managed to resolve, particularly good design solution,

3   Documentation of abstract PKB API

Include complete PKB API specifications in the final form.

4   UML diagrams

5   Documentation of important detailed design decisions

6   Coding standards and experiences

7   Query processing

7.1   *Validating program queries*

7.2   *Design and implementation of query evaluator*

8   Testing

Describe your testing experience (not exceeding TWO pages).

9   Project evaluation

<center>**--- The end of Final Project Report ---**</center>