



Software Design and Development

HSC Course 2017

Task: Programming Paradigms Project

Number: 1 of 4

Due Date: Thursday, December 7, 2017

(Term 4, Week 9)

Weighting: 15% of HSC Assessment

Outcomes to be assessed:

- H1.2 differentiates between various methods used to construct software solutions
- H2.1 explains the implications of the development of different languages
- H2.2 explains the interrelationship between emerging technologies and software development
- H4.2 applies appropriate development methods to solve software problems
- H5.3 selects and applies appropriate software to facilitate the design and development of software solutions
- H6.3 uses and describes a collaborative approach during the software development cycle

Task Description

This task is divided into 3 separate parts and detailed in the *12 SDD Assessment Task 1 Specification 2017*

Part 1: Complete a written report addressing relevant issues and scenarios related to the different programming paradigms.

Part 2: Design and code an application in C++ and Prolog.

Part 3: Perform and document a peer code review.

Marking Criteria

Part 1 and 2 are individual tasks.

You cannot reuse code or ideas covered in class for questions 4 and 6.

Your Project Report and fully working programs will be marked according to the criteria specified in the *12 SDD Assessment Task 1 Marking Guide 2017*.

Submission

Include a completed yellow/printed Academic Integrity Cover Sheet

Print out a copy of your report including your peer reviews using the submission guidelines outlined in the TAS Software Design and Development Course Handbook.

Upload a copy of the report and your programs to Google Classroom on Thursday 7 December 2017.

This is a formal assessment task in accordance with Board of Studies and Georges River College guidelines. Refer to the front pages of your Assessment Schedule booklet for details of your responsibilities and the procedures to follow in case of illness or misadventure.