

----- SCHOOL  
**SOFTWARE DESIGN AND DEVELOPMENT**  
**2008 HSC**

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TASK TITLE:

Major Project – Defining and Planning

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TASK NUMBER:

4

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CONTRIBUTION:

20%

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DUE DATE:

Thursday 24/7/08 (T3W1)

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SYLLABUS OUTCOMES:

H4.1 H4.2 H5.1 H5.3 H6.4

Please refer to the syllabus for further details on the assessable learning outcomes.

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## DESCRIPTION:

This assessment task covers the **defining** and **planning** stages of your **major project**.

You are required to **submit a detailed and quality document** containing artifacts from the defining and planning stages of a software solution which solves a real problem. The **desired outcome is a document which a contractor could use** to implement the software solution successfully. Marks will be allocated for the quality and accuracy of each artifact. The document must be work processed, printed, stapled, and contain the following sections:

- Cover Page and Table of Contents 1
- Log Book  
5
- Defining
  - Discuss the problem your software will solve, why it is important, and how you will solve it 3
  - Social & Ethical Issues
    - Identify two ergonomic issues which will need to be addressed 2
    - Identify two inclusivity issues which will need to be addressed 2
    - Justify your choice of License Agreement 2
- Planning
  - Gantt Chart 4
  - Story Board 4
  - Structure Diagram 4
  - Data Flow Diagram 0 4
  - Modules (must have at least two, best two will be marked)
    - IPO 2
    - Data Dictionary 2
    - Data Flow Diagram 1 4
    - Algorithm (must have at least one pseudocode and one flowchart) 4
  - Social & Ethical Issues
    - Outline how the ergonomic issues identified earlier will be addressed 2
    - Outline how the inclusivity issues identified earlier will be addressed 2
    - License Agreement
  - Third party libraries - description, license conditions, location of download & documentation 2

Total Marks: \_\_\_\_ / 61