Assessment Task for SDD Prelim

**Title**: Group: Hardcore Gaming

**Student Number/Name:**

**Assessment Task No.: 2 Due Date: Term 3 Week 2 Weighting: 35%**

**Submission Instructions**

In addition to school assessment policy

* *Assessment must be fully (including source code) submitted onto the course’s Moodle website,* [*www.dingotech.net*](http://www.dingotech.net) *before 10:59pm on the due date*
* *All hard copy materials must be submitted in a folder to the teacher, student to take a receipt*

**Marker: Mr N Dingle Signature: Date:**

**Grade/Mark:**

**Comment:**

**2. SUBMISSION RECEIPT (Collect from teacher)**

This is all my own work. I have not plagiarised the work of others. ❑

This task **was/was not** submitted on time.

**Student’s name**

**Assessment Title**

**Hard Copy Included** Yes / No

**Date**

**Teacher’s signature**

**1. ACKNOWLEDGEMENT OF NOTICE OF ASSESSMENT TASK (Return to teacher)**

**Student’s name**

**Assessment Title** Group: Hardcore Gaming

**Due Date**

**Student’s signature**   **Date:**

# Formal Details (Don’t print)

## Outcomes Being Assessed

* P4.1 analyses a given problem in order to generate a computer-based solution
* P4.2 investigates a structured approach in the design and implementation of a software solution
* P4.3 uses a variety of development approaches to generate software solutions and distinguishes between these approaches
* P6.3 designs and constructs software solutions with appropriate interfaces

## Cross Curriculum Links

* Collecting, analysing and organising information
* Communicating ideas and information
* Planning and organising activities and working with others and in teams
* Using mathematical ideas and techniques
* Solving problems

## Context for the Task

* Generate and plan concepts
* Produce a product with a focus
* Communicating ideas and information
* Planning and organising activities in a group

# Task Details

## Task Rubric

In your project you will be assessed on how well you

* Plan for a team project
* Communicate the development process
* Implement based on a plan
* Utilise formal testing methods

## Task Description

Group Assessment: Groups of 2-3 where possible, the larger the group the more expectations are placed on the final product and testing procedures.

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| --- | --- |
| **1. Plan** |  |
| 1. Decide on a problem and create a project plan for the solution | **4 Marks** |
| 1. Create a roster of responsibilities for your group | **3 Marks** |
| 1. Create a Gantt chart based on the chosen solution outlined in the project plan | **4 Marks** |
| **2. Implement** |  |
| 1. Solution is created using the expectations outlined in the project plan | **6 Marks** |
| 1. Solution is free from syntax and runtime errors | **5 Marks** |
| **3. Test** |  |
| 1. When complete, run a structured beta test with at least 3 testers | **5 Marks** |

# Marking criteria

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| --- | --- |
| **Task 1a) Decide on a problem and create a project plan for the solution** | **Marks** |
| * Demonstrates an outstanding concept for use of a project plan in group work * Demonstrates an outstanding ability to consider all the aspects of a chosen solution * Demonstrates an outstanding ability to plan for a possible solution including the audience, boundaries, alternate solutions and aspects of the project | 4 |
| * Demonstrates an sound ability to consider all the aspects of a chosen solution * Demonstrates an sound ability to plan for a possible solution including the audience, boundaries, alternate solutions and/or aspects of the project | 2-3 |
| * Demonstrates an limited ability to plan for a possible solution including the audience, boundaries, alternate solutions and/or aspects of the project | 1 |

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| --- | --- |
| **Task 1b) Create a roster of responsibilities for your group** | **Marks** |
| * Every member has been given equal responsibility throughout the project and each member able to demonstrate their contributions * All aspects of the solution has been divided throughout the group’s members | 3 |
| * Every member has been given somewhat equal responsibility throughout the project and each member able to demonstrate their contributions | 1-2 |

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| **Task 1c) Create a Gantt chart based on the chosen solution outlined in the project plan** | **Marks** |
| * Demonstrates an outstanding understanding for use of Gantt Charts in large projects * Applies every task required for the solution into the Gantt Chart and organises each aspect chronologically for team use | 3-4 |
| * Demonstrates an sound understanding for use of Gantt Charts in large projects * Applies most tasks required for the solution into the Gantt Chart and organises most aspects chronologically for team use | 1-2 |

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| --- | --- |
| **Task 2a) Solution is created using the expectations outlined in the project plan** | **Marks** |
| * Demonstrates an outstanding ability to develop a solution in a group * Demonstrates an outstanding ability to problem solve and develop a solution which meets the problem * Demonstrates an outstanding ability to utilise tools to assist in team development (i.e. Team Projects, Emails, Teleconference) * Creates a solution which is closely based on the given project plan | 6 |
| * Demonstrates an sound ability to develop a solution in a group * Demonstrates an sound ability to problem solve and develop a solution which meets the problem * Demonstrates some ability to utilise tools to assist in team development (i.e. Team Projects, Emails, Teleconference) * Creates a solution which is loosely based on the given project plan | 3-5 |
| * Creates a solution which is somewhat based on the given project plan * Demonstrates an limited ability to problem solve and develop a solution which meets the problem | 1-2 |

|  |  |
| --- | --- |
| **Task 2b) Solution is free from syntax and runtime errors** | **Marks** |
| * For each syntax error encountered you will lose 2 marks * For each runtime error encountered you will lose 1 mark | 5 |

|  |  |
| --- | --- |
| **Task 3a) When complete, run a structured beta test with at least 3 testers** | **Marks** |
| * Demonstrates an outstanding ability to use a formalised testing method to detect bugs in the final solution * Demonstrates an outstanding ability to document the bug which are discovered by users * Able to organise and formally implement a testing phase | 5 |
| * Demonstrates an sound ability to use a formalised testing method to detect bugs in the final solution * Demonstrates an sound ability to document the bug which are discovered by users | 3-4 |
| * Demonstrates an limited ability to use a formalised testing method to detect bugs in the final solution * Demonstrates an limited ability to document the bug which are discovered by users | 1-2 |

# Assessment Student Evaluation

## At the time of submission

*Circle a number (****1*** *= strongly disagree to* ***5*** *= strongly agree)*

This is my best work **1 2 3 4 5** I was organized **1 2 3 4 5**

I understood the task **1 2 3 4 5** I took notice of the marking guidelines **1 2 3 4 5**

This assessment took me **0-1 2-3 4-5 6-7 8+** hours to complete.

**Next time I will**