# 2006ICT/2805ICT/3815ICT Object Oriented Software Development

# Final Submission Template (2005)

## Group Information

* Campus:
* Group Number:
* Group Members:
  + [Student ID], [Student Name], [Course Code]
  + [Student ID], [Student Name], [Course Code]
  + [Student ID], [Student Name], [Course Code]
  + [Student ID], [Student Name], [Course Code]
  + [Student ID], [Student Name], [Course Code]
* Team Leader:
* Lab Teacher:

## Project Name: Tetris

# Project Management (5 Points)

## Project Planning

### Time Schedule

[This table should show who completed each task, the estimated time for each task, and the actual time spent.]

Note: This plan should focus only on the Final Submission phase — tasks from Milestone One should not be repeated.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Task** | **Student** | **Planed Time** | **Actual Time** | **Cumulative Time** | **Finish Date** |
| 1 | Make project plan | Tom | 2 hours | 2.5 hours | 2.5 hour | 01/08/2025 |
| 2 | Meeting | Everyone | 1 hour | 1 hour |  | 02/08/2025 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

### Group Meeting Records

[Group meetings are a critical component of effective project collaboration. You must document each meeting, specifying the date, time, attendees, and whether it was conducted online or face-to-face. Additionally, provide details of any software tools used to manage the project.]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Meeting Topics** | **Attendance** | **Loc** | **Software** | **Date and Time** | **Comments** |
| 1 | Introduce each other. | Everyone | Online | Teams | 1pm to 2pm  02/08/2025 | We have decided that Tom would be the team leader, and Jerry will responsible to create the GitHub repository |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

### Effort Summary

|  |  |  |
| --- | --- | --- |
| **Student Name (#Id)** | **Planed hours** | **Actual hours** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Total working hours: |  |  |
| Average working hours per person |  |  |

**GitHub Link:**

# Architecture (15 Points)

## Class Diagram

Provide a UML class diagram representing the overall structure of your system.

## MVC

## Allocation Diagram

**Implementation View**

A diagram of a project

AI-generated content may be incorrect.Below is the implementation view of the Tetris project:

The diagram above represents how all the files are organized.

# Design Principles (10 Points)

## SOLID

## GRASP

# Patterns (15 Points)

## Singleton & Factory

## Advanced Pattern 1

## Advanced Pattern 2

# Advanced Programming (20 Points)

## Enum, Stream, CSS, Lambda, Comparator

## Threads, JSON, Networking, File I/O, Generics

## Testing

## Advanced Testing

# Video Demonstration (35 Points)

## Demo Video Link

Provide the link to your demo video hosted on a public platform (e.g., YouTube).

Video Link: