**Software Design  
Document**

for

Chess Game

Version 1.0 approved

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# Contents

[1 Introduction 1](#_Toc117484244)

[1.1 Purpose 1](#_Toc117484245)

[1.2 System Overview 1](#_Toc117484246)

[1.3 Definitions, Acronyms and Abbreviations 1](#_Toc117484247)

[1.4 Supporting Materials 1](#_Toc117484248)

[1.5 Document Overview 1](#_Toc117484249)

[2 Architecture 2](#_Toc117484250)

[2.1 Overview 2](#_Toc117484251)

[2.2 Component 1..n 2](#_Toc117484252)

[3 High-Level Design 3](#_Toc117484253)

[4 Low-Level Design 4](#_Toc117484254)

[4.1 Modules Overview 4](#_Toc117484257)

[4.2 Module Specifications 4](#_Toc117484258)

[4.2.1 Module X1 4](#_Toc117484259)

[4.2.2 Module X2 5](#_Toc117484260)

[Appendix A – Group Log 6](#_Toc117484261)

# Introduction

# Purpose

This program is intended to mimic a game of chess, following standard chess rules including piece movement.

# System Overview

Each piece will be its own class, inheriting its functions from a ‘piece’ class. The board will be managed by a database which will be updated by a manager class. The board will update and redraw based on changes to the database.

# Definitions, Acronyms and Abbreviations

This portion will be updated as necessary as the document grows.

# Supporting Materials

This portion will be updated as necessary as the document grows.

# Document Overview

# Architecture

<The architecture provides the top level design view of a system and provides a basis for more detailed design work. This is the section where you should include your High-Level design Component Diagram.

# Overview

<This section provides a high level overview of the structural and functional decomposition of the system. Focus on how and why the system was decomposed in a particular way rather than on details of the particular components. Include information on the major responsibilities and roles that the system (or portions of it) must play.

# Component 1..n

<Describe an element (subsystem, component, etc...) from architecture in further detail. When appropriate, include information on how the element is further broken down and the interactions and relationships between these subcomponents.

# High-Level Design

<This section describes in further detail elements discussed in the Architecture. Normally this section would be split into separate documents for different areas of the design.

High-level designs are most effective if they attempt to model groups of system elements from a number of different views.

## View / Model Component 1..n

<Provide a description and diagrams of a system component or set of components that describes a clearly defined view or model of the entire system or a subset of the system.