Software Requirements Specification

for

TV Trivia Maze

Version 1.0 approved

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Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Laura Humphreys | 5/14/15 | Initial draft | 1.0 draft |
| Amber Wise | 6/10/15 | Final Update | 1.5 |
| Augusto Melo | 6/10/15 | Added Diagrams Appendix | 2.0 final |

# Introduction

## Purpose

This document describes the functionality of and requirements for version 1.0 of the TV Trivia Maze game.

## Project Scope

# Overall Description

## Product Perspective

The TV Trivia Maze is a game that will provide 15 minutes of fun to its user.

## User Classes and Characteristics

Player The player is the sole user who will interact with the game.

## Operating Environment

The TV Trivia Maze is expected to operate in Windows 7 and Windows 8 with the JVM (Java Virtual Machine) installed.

# System Features

## Move

3.1.1 Description and Priority

The player can attempt to move to a new position in the maze. If the door to the new position is locked, player must answer a question correctly before move action can complete. Priority: high

3.1.2 Functional Requirements

*TBD*

## Trivia Question

3.2.1 Description and Priority

The player is presented with a trivia question with four possible answers. The player can input one of the four choices. If the player’s answer is correct, the move action continues.

3.2.2 Functional Requirements

*TBD*

# External Interface Requirements

## User Interfaces

UI-1: The TV Trivia Maze will implement a text-based UI through the console.

## Hardware Interfaces

None identified.

## Software Interfaces

SI-1: The TV Trivia Maze will receive input from the player through the command line.

SI-2: The TV Trivia Maze will interface with the SQLite database to store and access the trivia questions and answers.

## Communications Interfaces

None Identified.

# Other Nonfunctional Requirements

## Performance Requirements

PE-1: The TV Trivia Maze must validate player input and handle any invalid values without crashing.

## Safety Requirements

None identified.

## Security Requirements

None identified.

## Software Quality Attributes

None identified.

# Other Requirements

Appendix A: Glossary

TBD

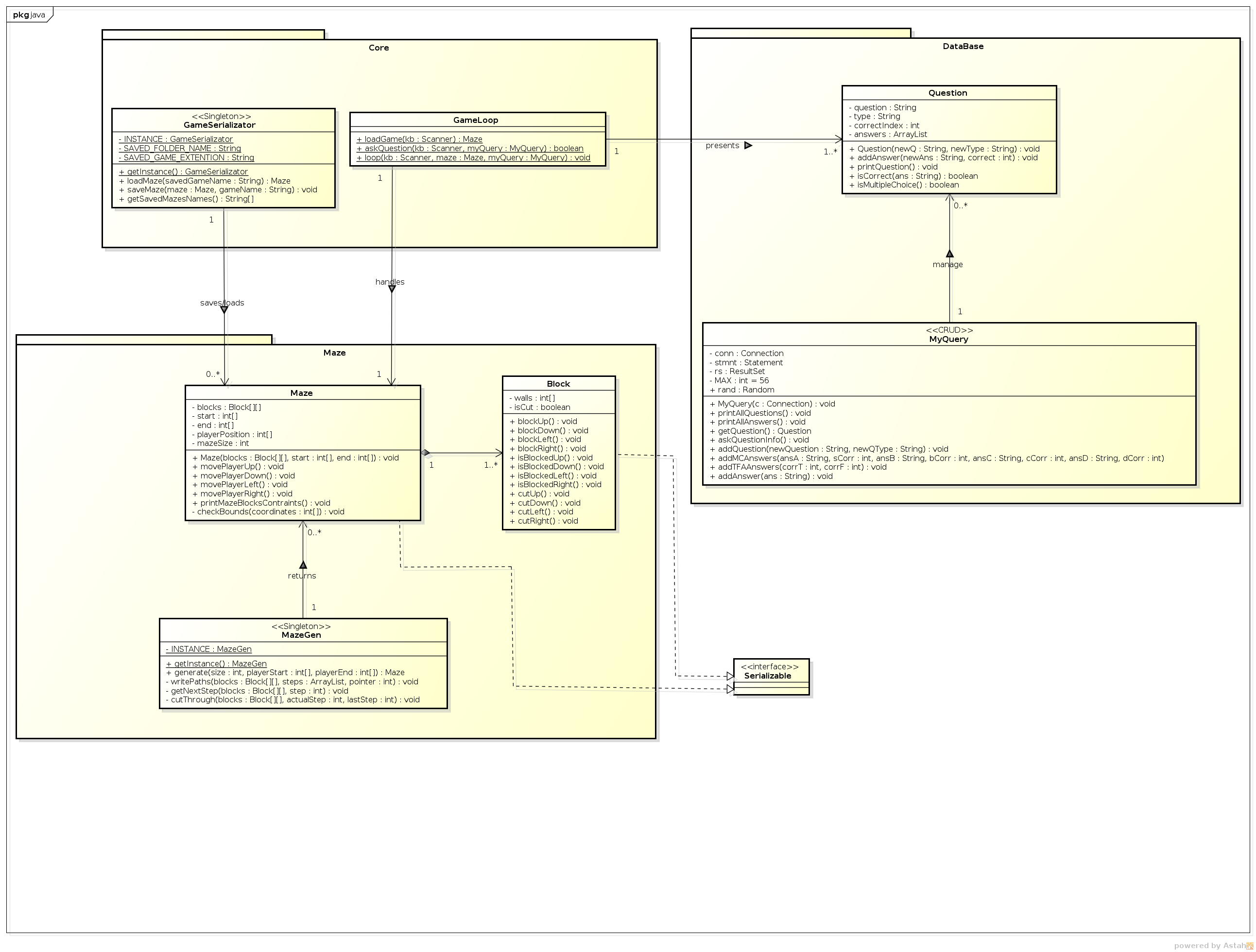
Appendix B: Analysis Models

TBD

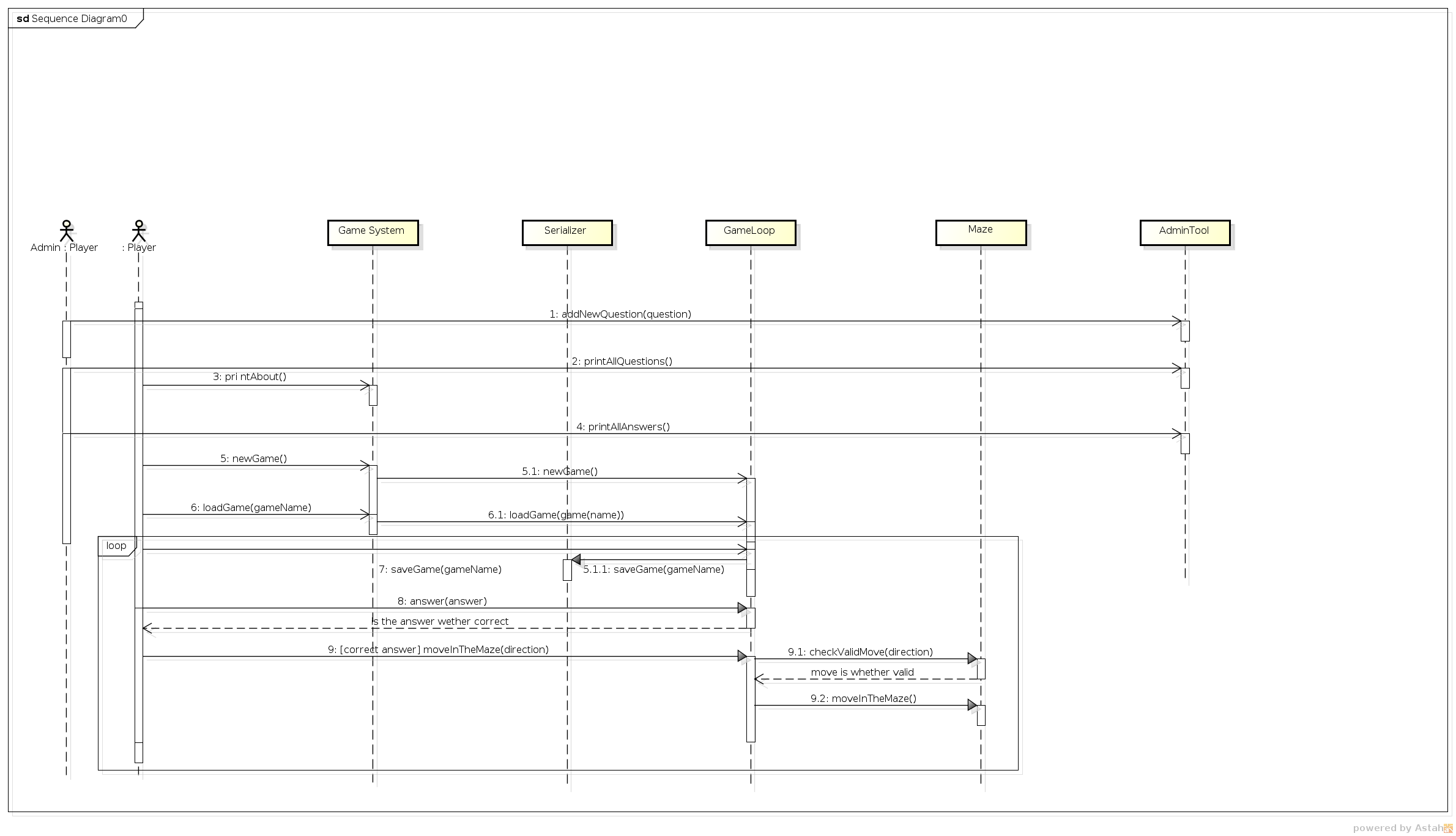
Appendix C: Issues List

TBD

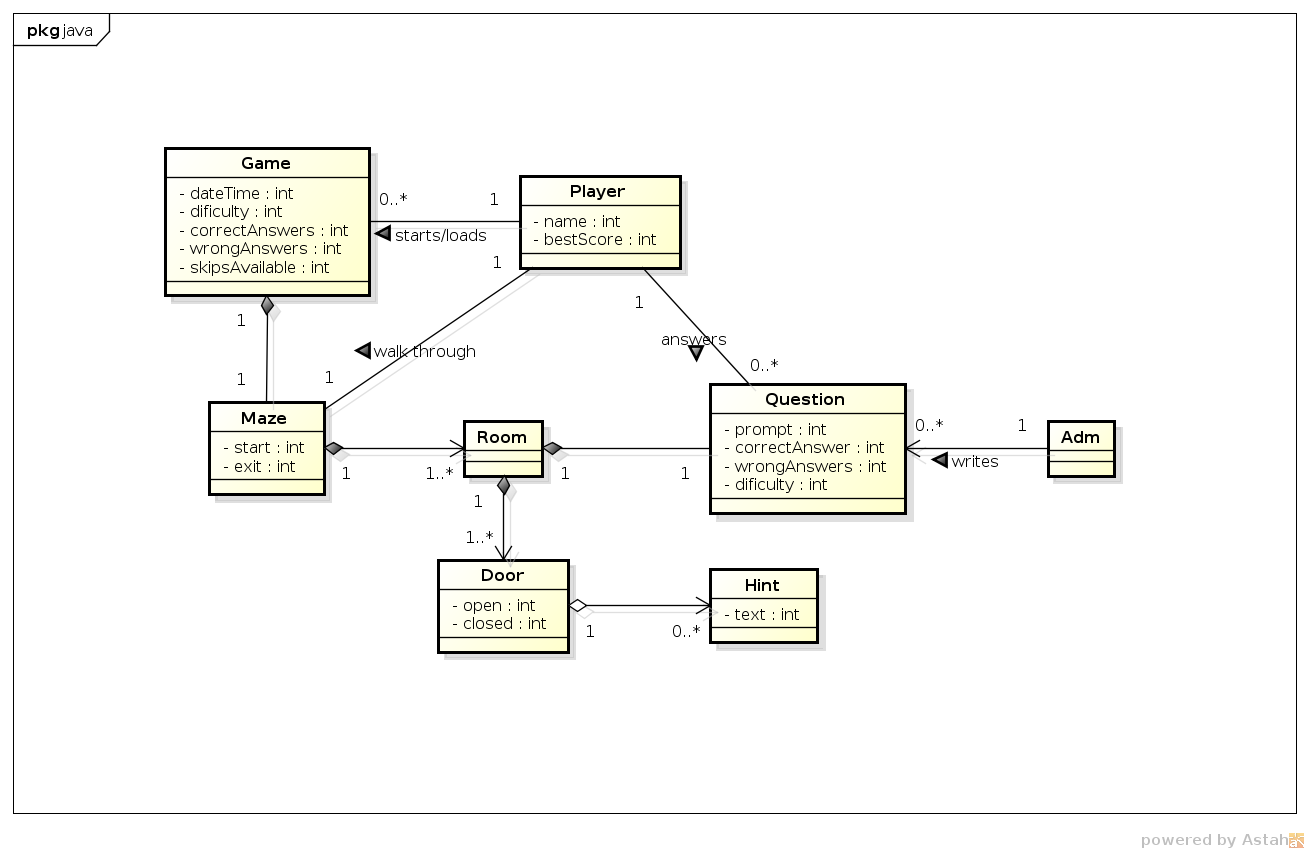
Appendix D: Diagrams

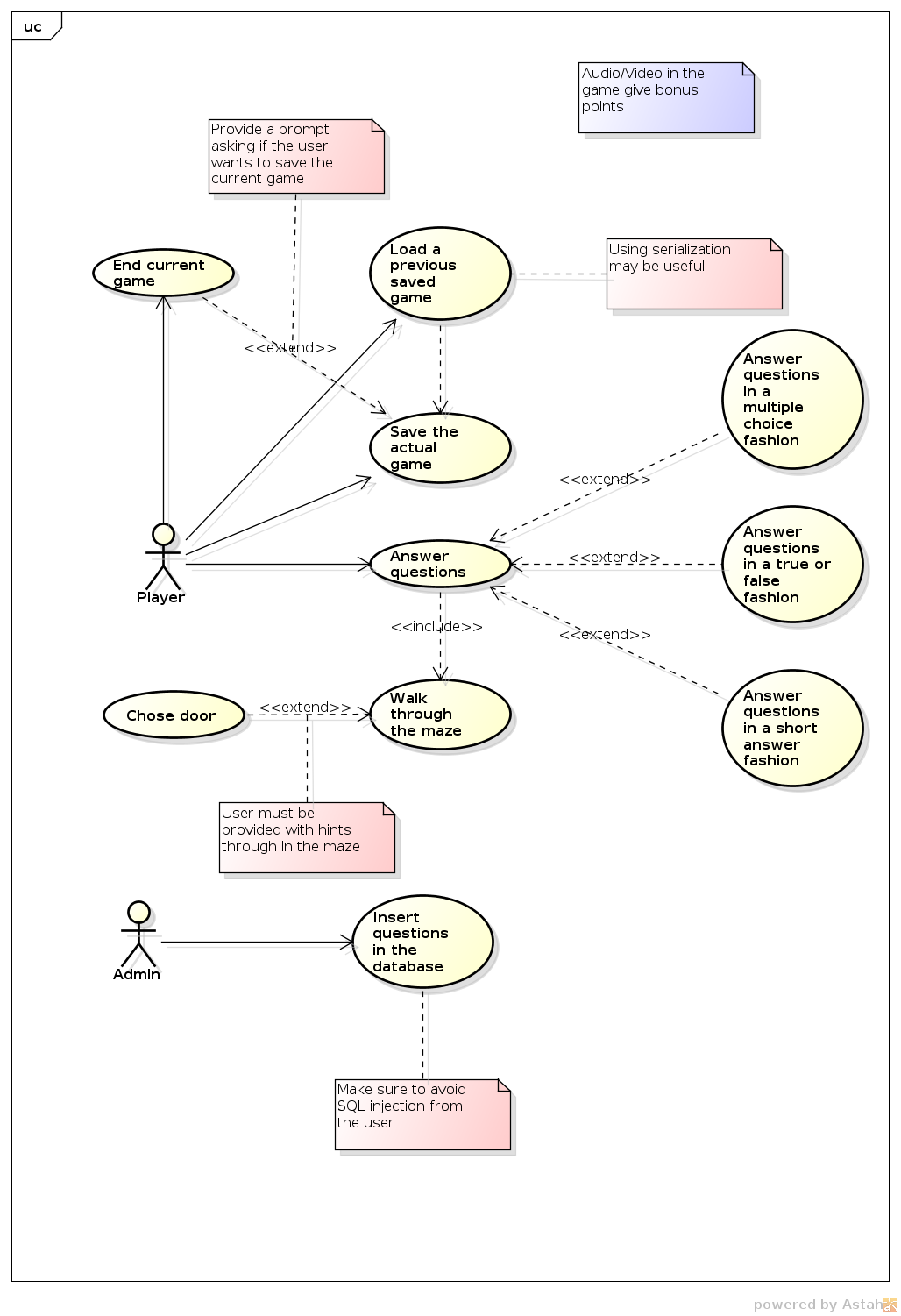


Class Diagram



Sequence Diagram

Conceptual Model



Use Case Diagram

State Machine Diagram