OOP Project

# Related image**Project Design Report: Iteration 1**

CS 319 Object Oriented Software Engineering  
Eray TÜZÜN  
Group 1-I: Private Moon Inc.

Project Group Members

• Doğa Oruç – 21602022

• Çağrı Orhan - 21503102

• Fazilet Simge Er - 21602358

• Kaan Ünlü - 21602622

• Ege Turan – 21502441

Contents

[**Project Design Report: Iteration 1** 1](#_Toc3395914)

[1 Introduction 3](#_Toc3395915)

[1.1 Purpose of the system 3](#_Toc3395916)

[1.2 Design goals 3](#_Toc3395917)

[2 High-level software architecture 3](#_Toc3395918)

[2.1 Subsystem decomposition 3](#_Toc3395919)

[2.2 Hardware/software mapping 3](#_Toc3395920)

[2.3 Persistent data management 3](#_Toc3395921)

[2.4 Access control and security 3](#_Toc3395922)

[2.5 Boundary conditions 3](#_Toc3395923)

[3 Subsystem services 3](#_Toc3395924)

[4 Low-level design 3](#_Toc3395925)

[4.1 Object design trade-offs 3](#_Toc3395926)

[4.2 Final object design 3](#_Toc3395927)

[4.3 Packages 3](#_Toc3395928)

[4.4 Class Interfaces 3](#_Toc3395929)

[5 Glossary & references 3](#_Toc3395930)

# 1 Introduction

Private Moon Inc.’s Project Risk is a digital revival of the 1957 table-top classic Risk [1].

## 1.1 Purpose of the system

## 1.2 Design goals

# 2 High-level software architecture

## 2.1 Subsystem decomposition

## 2.2 Hardware/software mapping

## 2.3 Persistent data management

## 2.4 Access control and security

## 2.5 Boundary conditions

# 3 Subsystem services

# 4 Low-level design

## 4.1 Object design trade-offs

## 4.2 Final object design

## 4.3 Packages

## 4.4 Class Interfaces

# 5 Glossary & references