

# Formulario Segnali

Giuliano Vallone

## **Contents**

# **1 Software requirement Specifications**

## **1.1 Introduction**

### **1.1.1 Aim of the document**

### **1.1.2 Overview of the defined system**

### **1.1.3 Hardware and Software requirements**

### **1.1.4 Related Systems, Pros and Cons**

## **1.2 User Stories**

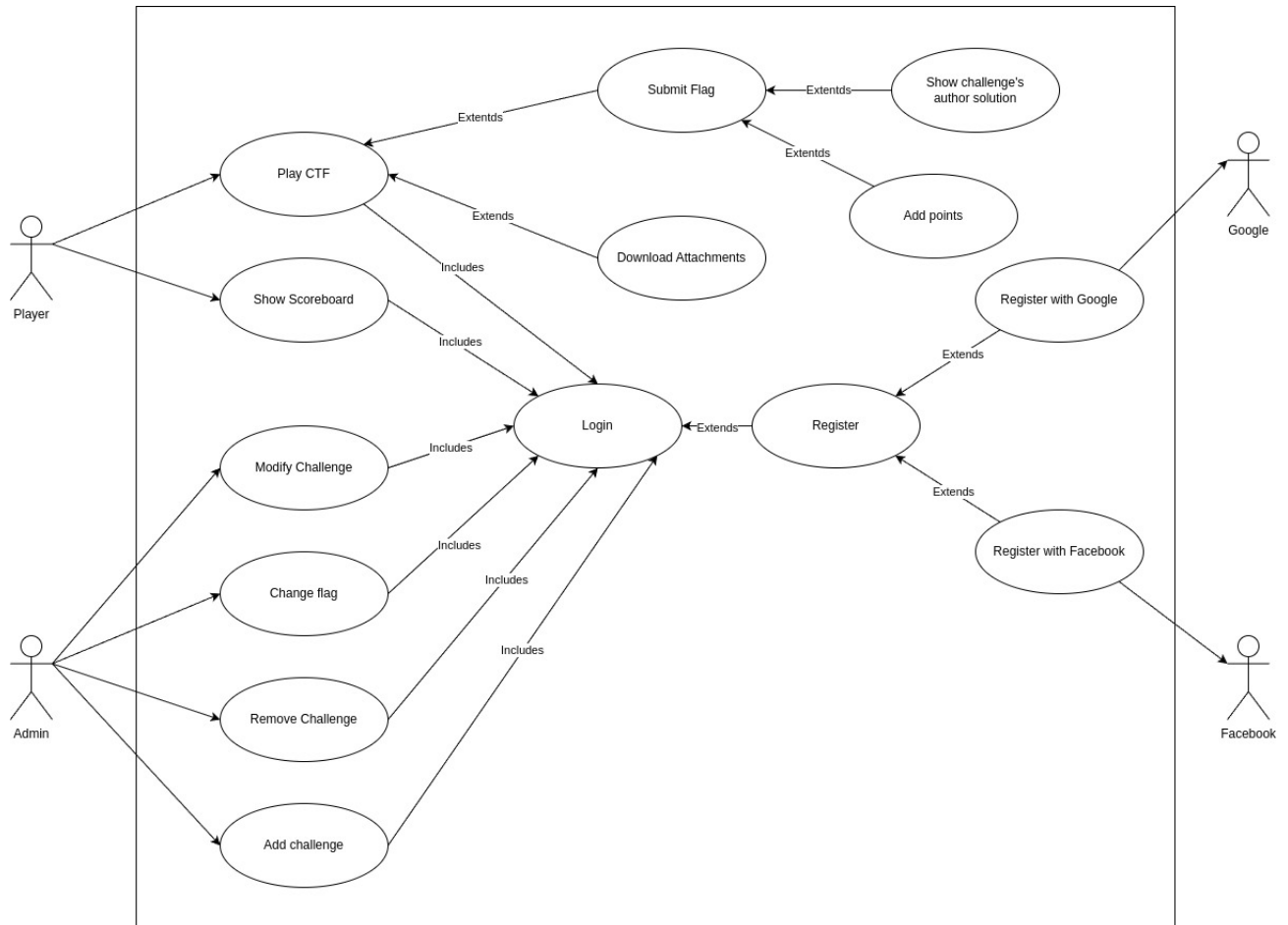
- As a player, I want to read the description of a challenge, so i can search for external material to study on for solve the challenge
- As a player, I want to see a global scoreboard, so i can measure myself with other players on the platform
- As an admin, I want to be able to change the flag of a challenge

## **1.3 Function Requirements**

- The system shall provide a scoreboard accessible by all players
- The system shall provide a login for non registered players
- The system shall provide a description and a link for every attachment of the challenge when a player selects it

## 1.4 Use Cases

### 1.4.1 Overview Diagram



#### 1.4.2 Internal Steps

## 2 Storyboards

## 3 Design

### 3.1 Class Diagram

#### 3.1.1 VOPC

#### 3.1.2 Design-Level Diagram

### 3.2 Design Patterns

### 3.3 Activity Diagram

### 3.4 Sequence Diagram

### 3.5 State Diagram

## 4 Testing

## 5 Exceptions

## 6 Persistence

## 7 Sonar Cloud