Software Requirement Specifications

1. **Introduction**
   1. **Aim of the document**

This document provides a general overview of the Let's Play application, describing the collected requirements and comparing it with the already existing systems.

* 1. **Overview of the defined system**

The Let's Play application allows customers to reserve football pitches for their matches.

If there are not enough players to form a football match, the Let's Play application allows bookers to post the number of missing players, allowing other customers to join the football match.

The football facility manager can manage reservations and information on football pitches and arrange tournaments. To participate in a tournament, customers can create their football team.

* 1. **HW and SW requirements**

Let’s Play application can run on Windows, Mac/OS, and Unix-like operating systems.

* 1. **Related systems**

1. **Prenotailtuocampo**

**Pros:**

* Let's Play allows bookers to post the number of missing players to form a match, while Prenotailtuocampo does not.
* Let's Play allows users to reserve football pitches without needing a wallet, while Prenotailtuocampo requires payment.

**Cons:**

* With Prenotailtuocampo, you can pay via PayPal, while Let's Play does not offer in-app payment options.
* Let's Play allows customers to reserve only football pitches, whereas Prenotailtuocampo enables reservations for multiple sports pitches.

1. **uCamp**

**Pros:**

* Let's Play enables customers to reserve pitches all over Italy, while with uCamp most of the available pitches are located in Campania.
* Let's Play allows the football facility manager to manage tournaments, but uCamp does not offer this feature.

**Cons:**

* uCamp offers a discount on the next reservation after a certain number of previous reservations, whereas Let's Play does not provide this benefit.
* While Ucamp has a mobile version, Let's Play does not offer one.

1. **User Stories**

Fabio Iacus

1. As a football facility manager, I want to create a tournament, so that I can increase the engagement of my football facility.
2. As a customer, I want to view the reservation history, so that I can check if there are active reservations.
3. As a football facility manager, I want to add a new football pitch, so that I can get more customers.

Davide Perrone

1. As a customer, I want to reserve a football pitch, so that I can play a football match.
2. As a customer, I want to search for a football pitch in a user-defined search area, so that I can reserve it.
3. As a football facility manager, I want to manage reservations, so that I can organise my working day.
4. As a customer, I want to create a shared football match, so that I can ensure that there are enough players to play.
5. **Functional Requirements**

Fabio Iacus

1. The system shall provide a form to create a tournament.
2. The system shall display the customer's active reservations.
3. The system shall insert the football facility among the customer’s favourites.

Davide Perrone

1. The system shall provide a reservation form.
2. The system shall display the list of all the reservation request notification.
3. The system shall send an accepted reservation notification.
4. **Use Cases:**
   1. **Overview Diagram**

**Immagine che contiene diagramma, linea, testo

Descrizione generata automaticamente**

* 1. **Internal Steps**

Fabio Iacus

**Name: Create Tournament**

1. The manager Logs In\*.

2. The manager selects the create tournament option.

3. The system displays the form.

4. The manager inserts the name, start and finish date, deadline date, participation fee, number of teams and a description of the prize.

5. The manager selects the create button.

6. The system verifies if the new tournament is already present for the football facility.

7. The system saves the tournament.

8. The system notifies all customers who have saved the football facility among their favorites.

9. The system displays the correct conclusion of the creation.

**Extensions:**

5a. *All the necessary fields were not filled out by the manager:* System specifies that there are unfilled fields and does not create any tournament.

5b. *Dates are not consistent:* System specifies that the dates are incorrect and does not create any tournament.

6a. *Tournament already exists:* System notifies the manager and terminates the use case.

Davide Perrone

**Dictionary**

* Customer: the customer of a football facility.
* Shared football match: a reservation open to other customers in the system, with the number of missing participants.
* Manage reservations: <inserire qualcosa>
* Active reservations: a reservation is active until the local date and time coincides with the start of the match.
* Reservation form: This is a form that a customer fills out to reserve a football pitch. In this form, the customer has to specify: <completare>
* Accepted reservation notification: This is an internal notification that informs the user that the manager of the football facility has accepted their reservation. <DEVI INSERIRE COSA STA SCRITTO IN STA NOTIFICA>.
* Internal notification: It is a notification generated by the system.
* Logs In: it refers to the use case for accessing the system