Sit&Play

Software Requirement Specification

AIM OF THE DOCUMENT

This document aims to provide an overview of the system *Sit&Play*, describing the features it offers to users and underlining the peculiar characteristics that distinguish it from other similar systems.

OVERVIEW

Sit&Play 's main purpose is to allow the organization of amateur card games and tournaments. Users can organize them by selecting a place and a date, specifying the type of card game that will be played; other users can decide to join games or tournaments, booking a seat at the specific tournament or table. When a tournament is created, the organizer can request sponsorship for it; then a user with a businessman account can decide to sponsor the tournament with one of his business activities.

Sit&Play also provides a notification system that makes the life of the users simpler, by helping them stay up to date on changes.

ENVIRONMENT

To use *Sit&Play*, a Windows operating system is required (Windows 10 is recommended). An internet connection is also required for the use of maps, necessary to perform a lot of actions. For the web version of the application, a web browser that supports HTML5 is required; the use of Chrome, version 88 or later, is recommended.

RELATED SYSTEMS

Sit&Play can be compared to other systems used to organize events, like *Leverade* and *Eventbrite*.

Leverade is used to organize tournaments and championships, but only in sports and video games; it is also more oriented towards long-lasting events. In *Leverade* is the organizer that has to create each team or player and adding them to the championship, while in *Sit&Play* is the player that decides to join a table or a tournament. This makes the whole thing more interactive, opening up to the opportunity to play with unknown people; it also avoids boring tasks for the organizer. On the other hand, *Leverade* provides many stats calculation features and also helps match referees, for example, by self-generating pre-filled cards for any pre and post-match event.

Eventbrite is another system used to organize events. Sit&Play only allows the organization of card game events, while with *Eventbrite* you can organize all kinds of events. Both systems have a reservation mechanism, but *Eventbrite* also manages the payment of booking prices, if any. However, unlike *Sit&Play*, it does not provide event sponsorship features and does not involve the use of notifications, very useful for organizers; instead, it uses email reminders.

USER STORIES

1. As a player, I want to organize game tables by specifying place, date, time and card game, so that I can host other players and enjoy playing cards together.

2. As an organizer, I want to create tournaments by establishing a maximum number of players and a price to participate, so that I can easily manage the organization of the tournament.

3. As a businessman, I want to sponsor tournaments, so that I can promote my companies and business activities.

4. As a player, I want to reserve a seat at a tournament, so that I can be sure that I will play the game.

5. As an organizer, I want to declare a winner of a tournament, so that I can be sure that there is only one winner per tournament.

6. As a player, I want to be notified if a table or tournament I was supposed to participate in is canceled, so that I can avoid unnecessary travels.

FUNCTIONAL REQUIREMENTS

1. The system shall provide the creation of a new table[1], specifying:
   o the identifying (unique) name of the table;

- o the address of the place where the game will be played;
- o date and time of the game;
- o type of card game[2] that will be played;

The system shall provide this feature to both organizer users and player users.

2. The system shall provide seat reservations at tables and tournaments only to users with player-type accounts and only within 1 hour from the start of the table and 3 hours from the start of the tournament.

3. The system shall provide tournaments sponsorship to users with businessman-type accounts, specifying the business activity to be used as a sponsor.

4. The system shall provide the declaration of a winner among the participants of a table or tournament, but only to the organizer of the table or tournament.

5. The system shall provide cancellation of a scheduled table or tournament, but no later than 1 hour from the start of the game or tournament.

6. The system shall send a notification to the participants of a table or tournament when it is canceled, specifying the name of the canceled table or tournament and who was the organizer.

7. The system shall provide a connection to Mapbox.

GLOSSARY

1. Table: it represents an organized card game, with an address, a date and a time of start, a card game type[2], an organizer.
2. Card game type: is one of the following: Poker, Black Jack, Texas Holdem Poker, Scopa, Scopone, Briscola, Buraco, Rummy, Tressette.

USE CASE DIAGRAM